



City of Superior

Request for Proposal Response to ConnectSuperior Fiber Engineering Phase 2

SEPTEMBER 10, 2024

BLAKE GRIFFIN, PE

PRESIDENT

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FARGO, ND 58102

cnefargo.com



Greetings,

Communication Network Engineering, Inc. (CNE) is excited to present you with our qualifications as a company. Here are the main reasons we believe we could be a great asset to your company:

FTTP EXPERIENCE

CNE is among the leaders in FTTP engineering and deployment with experience dating back to the mid-1990s. We provide services to telecommunications providers, including rural cooperatives, privately held corporations, municipalities, and county governments, and are among the industry leaders in FTTP engineering/deployment. Key CNE leadership and staff members were involved with the first two original RUS FTTP field trials. Our experience and insight are second to none.

Most recently, our project with Polar Communications in Grand Forks and Walsh County, North Dakota, was the first project in the nation under the USDA ReConnect Program to begin construction. To understand the scope of the program, this project was the first of 82 active awards in 34 total states and territories with total funding of \$744,303,168.

EXPERIENCED PROJECT TEAM

Our President, Blake Griffin, has more than 20 years' experience in OSP engineering, COE engineering, RUS contracts and loans, general operations, facility mapping, data networking, and web development. He is well respected in the telecommunications industry and is committed to completing your project on time and on budget. The CNE project team is composed of expertly trained, technical staff with "hands on" field experience. Key personnel of CNE have worked together for more than 20 years. In addition, CNE has access to a pool of highly experienced individuals to support the project team when needed.

OUR MISSION

The mission of CNE is to keep our clients in the forefront of this fast-changing telecommunications industry while maintaining affordable rates. We do so by implementing an interactive relationship with clients to provide the right solution for their application.

Respectfully,

Communications Network Engineering, Inc.

Blake Griffin, PE
President
blake@cnefargo.com

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COMPANY PROFILE

Business and Background

We provide highly qualified personnel and top of the line resources to our clients.

All Communications Network Engineering (CNE) team members also have extensive firsthand field experience. Just as CNE takes pride in the long-term relationship among its staff members, we focus on developing that type of relationship with our clients as well.

Years in the Business

CNE got its start as Communication Consultants, Inc in 1952. Communication Consultants was formed because of the formation of the Rural Utility Service Telecom program. The founders were part of the existing REA program focusing on electric utility companies. They realized there was a need for Professional Engineering Services in the telecom space and started the firm.

The only reason for the company name change was due to the purchase of this firm along with a sister company in 2012. The new owners were all long term employees of both preceding firms. Due to the fact that the purchase was structured as an asset purchase, a new company was formed merging the two existing firms.

Ownership

CNE has been a 100% employee-owned company since 2012. Because we're an employee-owned company, we are all responsible for our success. As a result, we hold each other accountable to do the right work for the right reasons. We are professional engineers, and we take that responsibility very seriously.

Services and Qualifications

CNE is excited to present you with our response to Request for Proposal - 2024 ConnectSuperior Fiber Engineering Phase 2. CNE is among the leaders in FTTP engineering and deployment with experience dating back to the mid-1990s. We provide services to telecommunications providers, including rural cooperatives, privately held corporations, municipalities, and county governments, and are among the industry leaders in FTTP engineering/deployment. Key CNE leadership and staff members were involved with the first two original RUS FTTP field trials. Our experience and insight are second to none.

Most recently, our project with Polar Communications in Grand Forks and Walsh County, North Dakota, was the first project in the nation under the USDA ReConnect Program to begin construction. To understand the scope of the program, this project was the first of 82 active awards in 34 total states and territories with total funding of \$744,303,168.

As an industry leader, CNE offers planning and funding, COE and OSP engineering, operations assistance, mapping/right-of-way/permitting and IT services. Our interactive approach with our clients results in the right solution for the application.



COMPANY PROFILE



Planning and Funding

- Strategic Planning
- Board Retreats
- RUS Loan Designs
- Grant Applications
- Due Diligence
- Feasibility Studies



Operations Assistance

- Project Management
- IT Support
- Network Management
- Network Monitoring
- Router / Server Configuration



IT Services

- Core Network Design
- LAN / WAN Design
- Linux / Windows Servers
- Open Source
- Network Assessments
- Firewall / VPN
- vCISO Services



COE Engineering

- Network Planning & Design
- Broadband Access Equipment RFPs
- Contract Management and Preparation
- TDM and Softswitch Implementation
- Ground Audits
- Power Plant
- Implementation Assistance
- Voice, Video and Data Integration
- Transport and Wireless Backhaul



OSP Engineering

- Network Planning and Design
- FTTP since 1995
- Staking
- Plans and Specifications
- Contract Preparation and Management
- Inspection
- Plant Inventory
- Plant Testing
- Work Order Inspection



Mapping, Permitting and Right-Of-Way

- CAD Mapping
- GIS Mapping
- Map Conversion
- GPS Data Acquisition
- Right-of-Way Acquisition
- Permitting

Firm Size

CNE has a current total staff of approximately of 20 personnel. In addition to our own internal staff, our sister engineering firm Moore Engineering has a total staff of approximately 200. From time to time, we utilize our sister firm to supplement our staff

Office Locations

Offices are located in both Fargo, ND and Bismarck, ND. Fargo, ND will be the primary office for your account.

Primary Contact



AUTHORIZED NEGOTIATOR

Blake T. Griffin, PE
President / Principal Engineer
701.237.3433
blake@cnefargo.com



DIRECTOR OF OPERATIONS

Eric Engler
Director of Operations
701.237.3433
eric.engler@cnefargo.com

KEY PERSONNEL

Organization Chart



KEY PERSONNEL



Blake T. Griffin, PE
President / Principal Engineer

- Sales, Business Development, Strategic Client Relationships
- RFP Responses
- Contractual Execution
- Engineering Estimates
- Equipment Estimates
- Engineering Support at All Levels as Required



Eric J. Engler
Director of Operations

- CNE LMA – Leadership, Management, Accountability
- Primary Project Contact
- Operational Execution of the Project
- Engineering Standards & Approval
- Client Project Support as Required



Steve Lewis
Sr. Field Operations Manager

- OSP Client Reporting
- OSP Cost Estimates
- OSP Quality Control
- Procurement Management
- OSP Project Manager Duties on Occasion



Jamie Saude
OSP Project Manager

- Management of all Aspects of OSP and Mapping Projects
- Employee Utilization and Task Management



Brendan Christenson
Senior Project Engineer

- HLD & LLD Coordination and Execution
- Client Project Support
- Subconsultant Management



Abraham Ledezma
Subconsultant - In Situ

- Primary Interface to CNE staff
- In Situ Staff and Task Management



Erik Gilbertson, PE
Subconsultant - Moore Engineering, Inc.

- Primary Interface to CNE Staff
- Moore Staff and Task Management
- Assist with CNE Project Management Responsibilities

KEY PERSONNEL

CNE Resumes



Blake T. Griffin, PE President / Principal Engineer



blake@cnefargo.com



701.356.8955

Blake, your primary contact and P.E. for the project, has 28 years of telecommunications experience. His career began with a summer internship at a rural telephone cooperative in 1993, where he gained foundational knowledge that spans COE, OSP, CAD, and IT. Over the years, Blake has played a key role in the successful completion of numerous RUS, stimulus, and grant applications. He was also involved in one of the first FTTP field trials for RUS in 1995, which deepened his expertise in IP networking, an area he is particularly passionate about and continues to focus on.

Recent Experience

RUS ReConnect Round I – 2019 Grand Forks and Walsh Counties, ND

Blake provided overall project implementation and management of this Rural Utilities Service (RUS) project for Polar Communications, which consisted of 550 miles of fiber network construction for nearly 1,500 homes, farms and other businesses in Walsh and Grand Forks Counties in North Dakota. It became the first ReConnect project in the nation under construction. Other duties included project coordination of staff, PE review, ReConnect loan application, design and pricing review, environmental review items, contract review and approval, and Client/RUS interfacing.

Broadband Feasibility Study – 2016 Kandiyohi County, MN

Blake provided overall project coordination of staff and sub-consultants, design and pricing review, client submittal preparation and the final presentation for the feasibility study of a ultra-high speed broadband network project in Kandiyohi County, Minnesota. The project consisted of an engineering study, marketing study and high-level financial/funding study. Blake's team focused on the coordination of all parties, the final project deliverables and the high-level engineering study, which resulted in a successful application for Minnesota's Border-to-Border Broadband Development Grant Program. The design was updated in 2020 and plans for project deployment are currently underway.

ReConnect Round I – 2020 Harmony Telephone Company

Blake provided overall project management of this ReConnect Program project for Harmony Telephone, connecting 577 households with fiber in rural Harmony, Minnesota. He provided coordination of staff, PE review, ReConnect Loan application assistance, design and pricing review, environmental review items, interface between Client and RUS, and contract review and approval. Harmony subsequently received additional funding from ReConnect II and the Empower Rural Iowa Emergency Broadband Expansion Program, both of which fund expansion outside of traditional service areas to bring broadband to unserved and under served areas of rural Iowa.

Hyper-Converged Infrastructure (HCI) Northwest Communications Co-op – Ray, ND

Blake managed an HCI cluster project, which is essentially a software-centric data center infrastructure that seamlessly integrates virtualization, compute, storage and networking. The goal is to reduce complexity, increase up-time, increase redundancy and increase scalability.

Education

BS in Electrical Engineering,
North Dakota State University

Professional Experience

CNE since 2012
Communication Consultants, Inc. – 12 Years
CC&I Engineering, Inc. – 2 Years

Registration

PE Registration in IA, ME, MN, MO, ND, OH,
UT and WI

Professional Certifications

Security Fundamentals for Engineers –
Continuum

Professional Affiliations

Association of Communication Engineers
ACE School Committee
Minnesota Telecom Alliance
Cybersecurity Committee
North Dakota Telecom Training & Safety
Annual Conference Planning Committee

KEY PERSONNEL



With over 30 years in Engineering and Telecommunications, Eric has led diverse projects, including Traditional Telephony, HFC Networks, FTTH, and 5G. His work spans the U.S., collaborating with organizations like the Rural Utility Service and Bureau of Indian Affairs. At Park Region, he successfully rebranded four communications companies and actively engaged in community events. Eric has also contributed to strategic planning, budgeting, and served on various industry committees.



Eric J. Engler Director of Operations



eric.engler@cnefargo.com



218.298.0446

Recent Experience

Otter Tail Telecom, South Battle Lake, MN

This MN Border to Border Grant application funded a \$4,663,585 project, with a \$2,331,792 grant and \$2,331,793 local match, including \$233,179 from Otter Tail County. The public/private partnership served 506 households and businesses, providing 1 Gbps broadband in the South Battle Lake area, enhancing e-learning, healthcare, agriculture, and local economy through high-speed internet access.

Otter Tail Telecom, North Fergus Falls, MN

This MN Border to Border Grant application funded an \$8,454,152 project, with a \$3,381,661 grant and \$5,072,491 local match, including \$2,000,000 from Otter Tail County and five townships. The project served 1,186 locations in North Fergus Falls, upgrading them to 1 Gbps speeds, improving e-learning, healthcare, agriculture, and the local economy through a high-speed fiber-to-the-premise network.

Runestone Telecom Association, Villard

This MN Border to Border Grant application funded a \$4,180,741 project, with a \$1,463,259 grant and \$2,717,482 local match. The project will serve 496 unserved households, 36 businesses, nine farms, and five community anchor institutions in northeast Pope County. Runestone Telecom will provide 1 Gbps broadband, enhancing economic development, telemedicine, and distance education through a fiber-to-the-home network.

West Central Telephone Association, Rural Staples Phase 2

This MN Border to Border Grant application funded a \$1,033,445 project, with a \$465,050 grant and \$568,395 local match. The project will serve 56 unserved locations in rural Wadena and Cass counties. With funding from the State of Minnesota, Sourcwell, and Region 5, WCTA will provide 1 Gbps broadband, enhancing e-learning, telehealth, agriculture, and remote business operations through a fiber-to-the-premise network.

Education

AAS in Telecommunications Electronics,
Minnesota Technical College, Wadena, MN

Professional Experience

CNE since 2024
Operational ISP Company - 4 Years
Other Firms - 32 Years

KEY PERSONNEL



Jamie Saude OSP Project Manager



jamie@cnefargo.com



701.356.8962

Jamie has 21 years of telecommunications experience, specifically in design, staking, drafting, permitting, and construction inspection. Jamie is very skilled at working with the client, customers, landowners, homeowners and other utilities to minimize and rectify construction issues.

Recent Experience

RUS Reconnect Round I Polar - Grand Forks and Walsh County, ND

Jamie was in charge of taking the high-level conceptual design and bringing it to a reality. He worked with the client to come up with the final project design to be implemented. From there, Jamie staked the project and provided the final details required to put the project to bid. He is now in charge of the ongoing construction.

RUS Loan Design NCC- Northwest ND

Jamie (along with Steve Lewis) was in charge of deploying a \$28 Million FTTP outside plant project. This included approximately 1,300+ miles of fiber to 2,800+ subscribers in 11 telephone exchanges (rural and town builds). They were in charge of coordinating all design, staking, permitting, drafting, inspection field staff, easement and as-built processes.

Bois de Forte Lake Vermillion, MN

CNE is in the process of taking CTC's Phase 2 of the awarded Bois Forte project around Lake Vermillion Minnesota. This project has some terrain difficulties that will require multiple types of construction such as aerial and underground. We staked and designed the Phase 2 project. Work in this area will require working with multiple organizations and utilities.

Education

BS in Industrial Technology,
Minnesota State University-Moorhead, MN
AAS in Electronics Technology, Northwest
Technical College-Moorhead, MN
AAS in Electronic Communications,
Northwest Technical College-Moorhead,
MN
AAS in Computer Systems Electronics,
Northwest Technical College-Moorhead,
MN
Certificate of Completion in Carpentry/
Masonry School, Naval Construction
Center-Gulfport, MS

Professional Experience

CNE since 2006
Telecommunications Installation &
Construction – 6 Years

Professional Certifications

TerraSync and GPS Pathfinder Office

KEY PERSONNEL



Steve Lewis **Senior Field Operations Manager**



steve@cnefargo.com



701.356.8957

Steve has 29 years of telecommunications experience, specifically in drafting and all areas of outside plant. Steve has been instrumental on almost every FTTP build that our company (and former company) has been involved with since one of the first FTTP field trials for RUS.

Recent Experience

RUS Reconnect Round I **Polar - Grand Forks and Walsh County, ND**

Steve reviewed the final design for approval and put the project to bid/contract. With implementation ongoing, he is in charge of contract management, invoice review and handling issues/concerns from the field staff and client.

RUS Loan Design **NCC- Northwest ND**

Steve (along with Jamie) was in charge of deploying a \$28 Million FTTP outside plant project. This included approximately 1,300+ miles of fiber to 2,800+ subscribers in 11 telephone exchanges (rural and town builds). They were in charge of coordinating all design, staking, permitting, drafting, inspection field staff, easements and as-built processes.

Reconnect Round 1 **Harmony Telephone Company – SW Minnesota**

Steve reviewed the final design for approval and put the project to bid/contract. With implementation ongoing, he oversees contract management, invoice review and handling issues/concerns from the field staff and client.

Bois de Forte **Lake Vermillion, MN**

CNE is in the process of taking CTC's Phase 2 of the awarded Bois Forte project around Lake Vermillion Minnesota. This project has some terrain difficulties that will require multiple types of construction examples are aerial and underground. We staked and designed the Phase 2 project. Work in this area will require working with multiple organizations and utilities.

Education

AAS in Electrical Design Drafting,
Minnesota State Community & Technical
College

Professional Experience

CNE since 1994

KEY PERSONNEL



Brendan has 14 years of experience in the telecommunications industry including construction, construction inspection, OSP design, and people management. Brendan's most recent role was manager of engineering and construction for Lumen Technologies where he managed a team of OSP engineers and construction inspectors that were responsible for all of the FTTH deployments in MT, ND, SD, and WY.



Brendan Christenson Senior Project Engineer



brendan.christenson@cnefargo.com



612.670.3084

Recent Experience

Connect America Fund II Various Locations in Eastern and Central ND

Brendan and his team oversaw design, construction inspection, contract management, and billing for numerous large scale FTTH deployments in eastern and central ND. The projects varied in length from several miles to nearly a hundred miles of new cable, and associated equipment.

1st Avenue North Flood Wall Fargo, ND

Brendan was in charge of redesigning the entire feed into Moorhead, MN and surrounding communities for Centurylink Communications. The existing feed was in conflict with a new flood wall being installed in downtown Fargo, ND. The existing copper feed cables were in 2 separate 18-way duct banks which the army corps of engineers would not allow to go through the flood wall. To mitigate the conflict, Brendan designed a large-scale fiber deployment accompanied with 54 BBDLC systems that worked with the new flood wall and allowed Centurylink to maintain customer services.

FTTH Design/Construction Inspection Numerous Subdivisions in Fargo\West Fargo

Brendan designed and assisted with construction inspection for Centurylink Communications for numerous new FTTH deployments in Fargo and West Fargo. Some of these subdivisions include The Preserve, North Pond at the Preserve, Brooks Harbor, The Wild's, Eaglewood, Deer Creek, The Pines, Rivers Bend, Rocking Horse, etc.

Education

BS in Civil Engineering,
North Dakota State University

Professional Experience

CNE since 2024
Other Firms - 14 Years

Professional Certifications

FE

KEY PERSONNEL

Moore Engineering, Inc. Resumes



Chris works as the Practice Leader and Survey Group Leader for Minnesota and is in charge of identifying the team to provide survey services, QA/QC protocol by developing continuing training plans for employees in the department and review and analysis of field notes and office work, and ensures projects are completed on time and on budget. Chris is responsible for boundary calculations, existing and new right of way layout, easements, and the laying out of new developments. He oversees dispatching field crews for Construction Staking, Topographic Surveys, Boundary Surveys, Platting, and ALTA/NSPS Surveys.

Education

- BS in Mechanical Engineering, Colorado State University

Professional Experience

- Moore Engineering since 2009
- Other Firms - 17 Years

Professional Registrations

- Professional Land Surveyor - MN

Professional Affiliations

- Minnesota Society of Professional Surveyors
- National Society of Professional Surveyors

Chris Heyer, PLS Survey Group Leader

chris.heyer@mooreengineeringinc.com
701.499.5889

RELEVANT EXPERIENCE

USDA Water Main Replacement

» Hackensack, MN

Chris was the licensed surveyor providing boundary and topographic surveying services for a water main replacement project. The project required locating existing right of way, coordinating crews for gathering topographic and utility information for designs.

Del Acres Gilbertson 3rd Addition

» Barnesville, MN

Chris was the licensed surveyor providing platting, land annexation, topographic and construction staking surveying services for a new development and associated infrastructure. The project required preparing a new subdivision, annexing the property into the city limits, coordinating crews for gathering topographic and utility information for designs, and coordinating with the project representative for construction staking services.

Prairie Hills 5th Addition - NE

» Hawley, MN

Chris was the survey group leader responsible for coordinating field crews for topographic and boundary surveys, and the signing surveyor preparing the plat of Prairie Hills 5th Addition – NE Development in Hawley. Project design included utility (sanitary sewer, lift station, watermain, & storm sewer), roadway, & site grading improvements. Project was designed to meet ADA, Municipality, & Ten State Standards. This project included all phases from preliminary topographic surveys, preparation of a final plat for recording purposes and construction staking for infrastructure installation.

KEY PERSONNEL



Seth has over 13 years of experience in the surveying and civil engineering technician fields, with over 7 of those years focused on UAS (Unmanned Aircraft Systems). Seth is an Associate Professor in the Land Surveying and Civil Engineering Technology department as well as the Program Coordinator for the UAS department at North Dakota State College of Science. Seth is responsible for managing all drone work at Moore Engineering and makes sure all equipment, staff and practices are operating efficiently and safely. Seth brings a vast knowledge of LiDAR, photogrammetry and other remote sensing applications to our projects.

Education

- AAS in Land Surveying and Civil Engineering Tech, North Dakota State College of Science

Professional Experience

- Moore Engineering since 2024
- North Dakota State College of Science – 10 Years
- Precise Sensing - 7 Years
- Moore Engineering – 3 Years

Professional Certifications

- FAA Part 107
- Transport Canada Pilot Certificate

Seth Simonson Drone Services Coordinator

seth.simonson@mooreengineeringinc.com
218.998.4041

RELEVANT EXPERIENCE

*Pacifcorp Gateway West Transmission Expansion TEAM Inc.

» Medicine Bow, WY

Subcontractor for TEAM Incorporated on 60 miles of new 230kV Transmission line. LiDAR, orthomosaic imagery, and structure imagery were collected to monitor the post construction conditions of the site and infrastructure. The final deliverables included a classified point cloud, complete site orthophoto, structure report, and access road condition report.

*Veblen to Grenville Distribution Replacement Ottertail Power Co.

» Veblen to Grenville, SD

Existing topography survey using drone-based LiDAR and imagery for approximately 30 miles of distribution line replacement. Deliverables included a classified point cloud, corridor orthophoto, and CAD drawing of existing features based off orthophoto.

*Silverleaf Masterplan Community ETM Engineering

» St Augustine, FL

LiDAR of approximately 800 acres of marsh and forest for Masterplan Community development. Deliverables included a complete TIN surface from LiDAR point cloud.

*AP Convict Leasing Investigation Associated Press

» Tracy City, TN and Birmingham, AL

Investigative LiDAR for an Associated Press story about post-Civil War convict leasing for steel production. Two sites were flown to help locate burial sites for convicts leased to large steel manufacturing companies.

**PROJECT COMPLETED WHILE EMPLOYED BY ANOTHER FIRM*

KEY PERSONNEL



Lauren has over a decade of experience in leading and designing creative public outreach and engagement efforts for diverse stakeholder groups, particularly for technically complex projects. At Colorado State University, she forged international relationships, managed teams, and promoted research initiatives. Her role included promoting R1 research and organizing outreach events for the International Agriculture team and the Office of the Vice President for Research. Lauren's innovative public engagement strategies earned her three national marketing awards from the Campus Safety, Health, and Environmental Management Association, and in 2023, BizWest Magazine recognized her as one of Northern Colorado's 40 Under Forty.

Education

- BS in Journalism and Technical Communication, Colorado State University
- MS in Agricultural Science, Colorado State University

Professional Experience

- Moore Engineering since 2024
- Other Firms – 11 Years

Lauren Weller Engagement Consultant

lauren.weller@mooreengineeringinc.com
612.895.7667

RELEVANT EXPERIENCE

*NAAAN CONNECT, Co-Developer

» Colorado State University

Co-led the development, branding and launch of the North American Agricultural Advisory Network (NAAAN) CONNECT, a digital platform and shared resource for agricultural experts, practitioners, and researchers across Canada, Mexico, and the United States. This platform fosters an online community through strategic engagement and communication.

*GFRAS Annual Meeting, Organizer

» Colorado State University

Organized the Global Forum for Rural Advisory Services (GFRAS) Annual Meeting, bringing together 180 participants from over 40 countries. This three-day event facilitated knowledge exchange through 26 working sessions and six farm visits, showcasing Lauren's ability to manage and promote complex, large-scale outreach events.

*CSU Impact(o) Map, Project Manager

» Colorado State University

Managed and contributed to the design of the CSU IMPACT(O) Map, a GIS/StoryMaps platform featuring over 140 bilingual stories about CSU's global research efforts. This demonstrated Lauren's expertise in making complex research accessible and engaging to a diverse audience.

*CSU Research Magazine, Senior Editor

» Colorado State University

Directed the editorial and design vision of the CSU Research Magazine, ensuring high-quality content and broad distribution. Lauren's leadership in this role amplified the university's research initiatives and fostered collaborations within and beyond the university.

**PROJECT COMPLETED WHILE EMPLOYED BY ANOTHER FIRM*

KEY PERSONNEL



Dylan has over 5 years of experience in evaluating various ecological indicators and environmental challenges. His professional history encompasses project leadership in conservation management, habitat assessments, vegetation and hydrology monitoring, species identification, NEPA and MEPA environmental documentation, aquatic resource assessments, and regulatory permitting applications and mitigation plans for both private and public institutions. Dylan has experience with linear transportation corridors, bridge replacements, residential and commercial development, and wetland mitigation bank projects.

Education

- BS in Wildlife Biology, Bemidji State University

Professional Experience

- Moore Engineering since 2024
- Other Firms – 5.5 Years

Professional Certifications

- Certified Minnesota Wetland Professional #1406
- Erosion and Stormwater Construction Site Management
- Certified Open Water Diver
- OSHA 10 Hour Training
- S-130 Basic Wildland Firefighter
- S-190 Introduction to Fire Behavior

Dylan Kruzel Environmental Team Lead

dylan.kruzel@mooreengineeringinc.com
612.504.7030

RELEVANT EXPERIENCE

*Environmental Documentation Assistance – MnDOT District 1

» Northeast Region, MN

Lead scientist for environmental review document preparation for 18 task items. Responsible for the development of seven Early Notification Memo's (ENM), three ENM summary memos, and eight CLASS II short-form categorical exclusion (CatEx) determination documents in collaboration with MnDOT District and Central Office staff. Projects include ADA improvements, mill and overlay, bridge and box culvert replacements, utility infrastructure, and urban road reconstruction.

*I-90/Hwy 52 Interchange Reconstruction – MnDOT District 6

» Olmsted County, MN

Lead scientist for wetland delineation and permitting for 100-acre project footprint consisting of ramps, loops, and mainline highway. Permits include CWA Section 404 Individual Permit, MPCA 401 Water Quality certification and WCA authorization.

*CSAH 112 Wayzata Boulevard Reconstruction (Phase 3)

» Long Lake, MN

Lead scientist for wetland delineation and permitting for the reconstruction of a 1.5-mile highway segment and improvements to utilities, and drainage and storm water management systems.

*Gitchi Gami State Trail Segments

» Two Harbors, Tofte, and Lutsen, MN

Contractor to MnDNR PAT, serving as lead and assistant scientist for wetland delineation and permitting for several segments of the Gitchi Gami State Trail along the Northshore. Permits include CWA Section 404 and WCA authorization.

**PROJECT COMPLETED WHILE EMPLOYED BY ANOTHER FIRM*

KEY PERSONNEL



Meaghan has 11 years of experience on diverse projects including environmental permitting and compliance, wetland delineations, and environmental review. Meaghan excels at helping clients identify environmental concerns on their projects and facilitating the regulatory approvals needed to build them, so they can successfully implement projects with minimal barriers, delays, and surprises. Meaghan has worked on various residential and commercial development projects, railroad, pipeline, solar, wind, and transportation projects.

Education

- BS in Environmental Science, Policy and Management, Conservation, and Resource Management, University of Minnesota – Twin Cities

Professional Experience

- Moore Engineering since 2021
- Other Firms - 9 Years

Professional Certifications

- Certified Wetland Delineator (In-Training Professional) #5202
- Karner Blue Butterfly Survey and Identification (WI DNR)

Professional Affiliations

- MN Wetland Professionals Association

Meaghan Dietrich Environmental Scientist II

meaghan.dietrich@mooreengineeringinc.com
612.699.0410

RELEVANT EXPERIENCE

Davenport Flood Risk Reduction Project

- » Cass County, ND

Prepared a USACE Section 404 Individual Permit for the Davenport levee project. The project will provide long term flood protection to the City of Davenport infrastructure and its residents from the nearby Sheyenne River. The project included wetland delineation and Section 401 permitting in conjunction with obtaining the Section 404 permit.

Red River Telecommunications Section 10 Permit

- » Richland County, ND and Wilkin County, MN

Prepared a USACE Section 10 Permit application for a federal and state funded telecommunications project boring under the Red River between MN and ND. This project included coordination with both the USACE Omaha and USACE St. Paul Regulatory Districts, as well as preparation of a North Dakota Sovereign Lands permit application.

*Nobles 2 Wind Project

- » Nobles County, MN

Served as project manager, field team, and permitting lead for aquatic resource inventory and impact permitting for a 250 MW wind farm in Nobles County, MN. Tasks included completing field wetland and waterbody inventory, compiling and submitting local, state, and federal aquatic resource permits, coordination with regulatory agencies, and project management.

Raw Water Line Environmental Assessment and 408 Compliance

- » Raw Water Line Environmental Assessment and 408 Compliance

Prepared an Environmental Assessment in accordance with the National Environmental Policy Act (NEPA) of 1969 and the Council on Environmental Quality's (CEQ) Regulations (40 CFR 1500-1508), as reflected in the U.S. Army Corps of Engineers (USACE) Engineering Regulation ER 200-2-2. The project included boring of a new raw water line under the Garrison Dam Spillway to supply water to the Riverdale water treatment plant for regional drinking water. This project occurred on USACE property and required a significant amount of agency coordination.

**PROJECT COMPLETED WHILE EMPLOYED BY ANOTHER FIRM*

KEY PERSONNEL



Kelsey has experience working through the environmental regulatory process and studying projects' environmental impacts. She also has experience working in GIS with both internal/external project exhibits, municipal and organizational spatial data management, utility mapping, GIS/CAD integration, online/mobile mapping, LiDAR incorporation, and boundary wetland delineation and assessment mapping. Kelsey is a Certified Stormwater Inspector and has experience working with MS4 Cities conducting stormwater site inspections and reviewing site plans. She also has experience writing SWPPP reports for road construction projects and future development projects.

Education

- BS in Environmental Science with a Geographic Information Science Minor, University of Minnesota Duluth

Professional Experience

- Moore Engineering since 2022
- Other Firms - 2 Years

Professional Certifications and Training

- University of Minnesota: Construction Site Management, Design of Construction SWPPP, Regulatory Enforcement, Construction Installer and Illicit Discharge
- National Stormwater Center: Certified Stormwater Inspector

Kelsey Kline Environmental Technician II

kelsey.kline@mooreengineeringinc.com
320.281.5493 ext. 1109

RELEVANT EXPERIENCE

*Modeling Utility Poles

» Ohio

Assisted in modeling utility poles in O-Calc. O-Calc is a software that models and analyzes utility poles and gives the users a live 3D model of the utilities. The utility poles needed to be digitized because broadband internet is going to be installed along the utility poles.

*Critical Issues Analysis Report

» Kansas and Oklahoma

Prepared a Critical Issues Analysis (CIA) reports for multiple potential solar development sites. The CIA report provides a preliminary desktop analysis in GIS of sensitive environmental resources, regulatory permits, and clearances that will need to be addressed to complete environmental studies and permitting for the evaluation area. Environmental resources and permitting requirements were identified from publicly available information and publicly available GIS databases.

Wetland Delineation Reports and Figures

» Minnesota and North Dakota

Assisted in field wetland delineations, wetland report writing and completed the GIS figures in ArcPro. These figures included soil maps, delineated aquatic features maps, National Wetland Inventory Maps, Site Location Overview, USGS Topo and an overall reference map. Each map included unique attributes that assessed the surrounding area. Kelsey also created an interactive ArcGIS Online map that is used in the Field Map app to assist in field data collection for wetland delineations.

Big Lake Outlet EAW

» Herman, Minnesota

Assisted in writing and preparing the Big Lake Outlet EAW. The project will control lake water levels to reduce flooding and allow for increased ability to manage the aquatic habitat. This project, proposed by the Bois de Sioux Watershed District, is part of the Red River Basin Commission Flood Damage Reduction Strategy.

**PROJECT COMPLETED WHILE EMPLOYED BY ANOTHER FIRM*

KEY PERSONNEL



Having served as a consultant the past 13 years for various alternative energy, oil pipeline, and land development projects across the U.S., Lucas brings a keen eye for detail across a wide range of environmental services. Lucas specializes in wetland delineation, wetland permitting, mitigation banking, wetland assessments, tree identification and tree health/condition assessments, well monitoring, post wetland restoration monitoring, prairie and wetland restoration, avian and bat surveys, and threatened and endangered species surveys/monitoring.

Education

- BA in Environmental Science with Biology Emphasis, University of Wisconsin-River Falls

Professional Experience

- Moore Engineering since 2023
- Other Firms - 13 Years

Professional Certifications

- ISA Certified Arborist – MN-4724A
- MNDNR Certified Tree Inspector - 20104682
- Erosion and Stormwater Management
- Restoring MN - Ecological Restoration Certified
- FERC - Environmental Review and Compliance

Lucas Mueller Environmental Scientist/Team Lead

lucas.mueller@mooreengineeringinc.com
952.913.1384

RELEVANT EXPERIENCE

Private Landowner/Client Wetland Delineations

Worked with 300+ private landowners and clients to assist in wetland delineations, wetland reporting, wetland permitting, and wetland quality (if needed), to receive necessary local, state, and federal approvals. With these opportunities, Lucas has been able to work with private sector clients from the start of a project/opportunity until the required approvals and permits are received. This includes proposal writing, costs estimates, offsite wetland delineations, historic aerial reviews, on-site field work, submitting wetland delineation reports, required TEP reviews, agencies correspondence, wetland permitting, site layout adjustments, and additional environmental tasks as needed. In addition to the actual task work at hand, Lucas has many years of experience working closely with clients to answer any outstanding questions they may have during the wetland delineation process. He commits his time to his clients and is able to walk through the approval process in a timely manner.

City/County Wetland Delineations

Worked with numerous cities/counties throughout the state of Minnesota and upper Midwest to conduct wetland delineation. These projects include but are not limited to road realignment projects, right-of-way projects, bike paths or sidewalks adjacent to local roads, municipality work, and utility work. Lucas would also attend city and county meetings as needed in order to stay up to date on project goals, timelines, and changes.

Wetland Permitting

Worked with private and public clients to determine necessary wetland permitting based on project findings and needs. Wetland permitting consisted of both local and federal permitting needs to satisfy the regulatory requirements on a project to project basis. These permitting needs included WCA No Loss Applications, WCA De minimis, WCA Wetland Replacement Plans (Mitigation), Section 401 and Section 404 Corps permits, and MPCA permits. Wetland replacement plans were drafted to properly mitigate for proposed wetland impacts on site. This included providing proper justifications for the wetland impacts to take place while also trying to minimize or avoid impacts when necessary. Lucas works closely with the clients in order to adjust their site plan as needed to minimize wetland impacts when possible, but still meeting the projects purpose and needs. Lucas would also contact wetland bank owners in order to find proper mitigation credits for each project working closely with each client to get through the purchase and closing of the mitigation credits.

KEY PERSONNEL



Zach is a project manager located in our Bemidji office. He has been designing and managing projects throughout Minnesota since 2017. Zach brings experience in a wide variety of engineering including municipal, transportation, site design, stormwater, drainage, and others. He prides himself on his responsiveness and communication with clients, contractors, and agencies. His involvement in projects from development and design to boots on the ground participation on the construction site, gives a unique insight that generates practical, efficient, and effective solutions. Zach's management skills will help to deliver a well communicated, high-quality project aligned with the expected schedule and budget.

Education

- BS in Civil Engineering, University of North Dakota

Professional Experience

- Moore Engineering since 2021
- Other Firms - 4 Years

Professional Registrations

- Professional Engineer – MN, ND
- NRCS Technical Service Provider - MN

Zach Thoma, PE Project Manager

zach.thoma@mooreengineeringinc.com
218.368.9955

RELEVANT EXPERIENCE

City Engineering

- » Akeley, Grygla, Hackensack, & Waubun, MN

Zach serves as the current city engineer for the communities of Akeley, Grygla, Hackensack, & Waubun. He assists in funding, planning, design, and management of all projects including streets, utility improvements, treatment and supply enhancements, water storage, park projects, and ADA improvements. Zach also assists with asset management and planning.

Beltrami County CSAH 15

- » Bemidji, MN

Zach was involved in utility coordination, stormwater design, and plan review. This project included the reconstruction of approximately 1.5 miles of roadway within the City of Bemidji and included replacement of city utilities, installation of stormwater infrastructure, a multi-use trail, and roundabout.

*Northome Water & Wastewater Infrastructure Improvement Project

- » Northome, MN

Zach was responsible for project management and lead design of an improvement project to the sewer and water infrastructure throughout the City of Northome, MN. This project included replacement of the city's water tower, upgrades to the wastewater treatment facility, improvements to sanitary lift stations, and replacement of sewer and water mains throughout the city. Funding for this project was obtained through Rural Development, DEED, and local financing. The project also required coordination with utilities, local businesses, county, MnDOT, MDH, MPCA, and others.

*T.H. 1 Reconstruction Project

- » Northome, MN

Project Management and Design for the reconstruction of T.H. 1 through Northome, MN. Project included a full reconstruction of approximately 1/2 mile of urban roadway, ADA improvements, lighting, and stormwater design. Project included state and federal funding. Project responsibilities included coordination with MnDOT, roadway and stormwater design, and plan production.

**PROJECT COMPLETED WHILE EMPLOYED BY ANOTHER FIRM*

KEY PERSONNEL



For more than 26 years, Erik has served as both a project engineer and project manager on numerous projects in North Dakota and Minnesota. In his current role as the Municipal Group Leader for Moore, he leads the design team for projects involving site design, water, wastewater, storm water, solid waste, streets and on-site inspection.

Education

- BS in Civil Engineering, Iowa State University

Professional Experience

- Moore Engineering since 2017
- Other Firms - 19 Years

Professional Registrations

- Professional Engineer - ND, MN, IA

Professional Affiliations

- American Public Works Association

Erik Gilbertson, PE Municipal Group Leader

erik.gilbertson@mooreengineeringinc.com
701.551.1085

RELEVANT EXPERIENCE

NDDOT, Sheyenne Street Widening, 40th Ave West to 32nd Ave West, SU-8-992(040)041, PCN 21569

» West Fargo, ND

Project Engineer for the underground utilities of this 1.2 mile urban arterial street reconstruction in an existing residential and commercial area. The project included reconstruction of an arterial street, bank stabilization, upgrades to the water distribution and wastewater collection systems in addition to regional storm water improvements. Project tasks: underground utility design, plan preparation, and construction coordination.

Water Improvement Project No. 1312, 1312-II, 1313

» West Fargo, ND

Project Engineer for the water distribution project in the rapidly growing community. The improvements included installing 16-inch transmission mains, eliminating 8-inch and 12-inch dead ends and improving looping totaling over 3½ miles of mains. The project crossed the BNSF railroad, Interstate 94, the West Fargo Diversion, and the Horace Diversion. Project tasks: preparation of the plans and specifications and construction administration.

7th Avenue N Reconstruction

» Fargo, ND

Project Engineer for the reconstruction of 7th Avenue N from Broadway to 2nd Street N. The project included pavement reconstruction, sidewalk replacement, water main replacement, drainage improvements, ADA improvements, and special coordination with Sanford Hospital and First Lutheran Church. Project tasks: public outreach, preliminary design, and plan preparation.

FedEx Distribution Center

» Bismarck, ND

The project consisted of site grading and installation of watermain, sewer main, storm sewer, and pavement. The 26-acre site included a five-acre building centered on the site and allows for a variety of freight transport vehicles to safely access and navigate the site. The project was designed in accordance with FedEx's design standards.

KEY PERSONNEL

In Situ Resumes



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Abraham Ledezma, MS, RPA

Education

M.S., Applied Anthropology; Missouri State University; 2012

B.A., Anthropology, Emphasis in Archaeology; Minnesota State University; 2008

Years of Experience

17 years

Expertise

Cultural Resource Management

Historic Preservation

Lithics

Prehistoric Ceramic

Plains Archaeology

Northeast Archaeology

Southwest Archaeology

ArcGIS and ArcPad

Terrasync and Pathfinder

Total Station

Soils

GIS

GPS

Construction Monitoring

Geophysics

Experience Summary

Abraham is a Principal Investigator at In Situ with nationwide experience as an archaeologist and cultural resource specialist. Abraham has 18 years of experience supervising and conducting cultural resource management surveys, performing test excavations, and developing background literature reviews. His experience includes reconnaissance surveys, test excavations, archival reviews, and artifact analysis. Abraham has experience with geophysical methods including electrical resistivity, magnetometry, and ground penetrating radar. He has archaeological experience in Minnesota, North Dakota, Illinois, Iowa, Wisconsin, Kansas, Texas, Oklahoma, Missouri, Ohio, Kentucky, Pennsylvania, Indiana, Michigan, and West Virginia. He has familiarity with permitting federal and state regulatory requirements. Abraham's understanding of regulation comes from his involvement with a variety of projects in various markets including: cellular towers, transmission lines, pipelines, stream restorations, windfarms, and housing developments.

At In Situ, Abraham is responsible for developing scopes of work for an array of archaeological projects. His responsibilities also include preparing and maintaining project budgets, scheduling and supervising archaeological investigations, authoring technical reports, fostering communications with clients and regulatory agencies, and maintaining quality control to ensure investigations meet or exceed federal, state, and local regulations.

Prior to starting In Situ, Abraham served as Principal Investigator with Weller & Associates out of Columbus, Ohio and had previous experience as a Principal Investigator and a field director with Westwood Professional Services out of Eden Prairie, Minnesota. While at Weller and Westwood, Abraham was responsible for archaeological field work in both cultural resource survey and test excavation projects. He also provided literature reviews, authored technical reports, conducted laboratory analysis, managed GIS data and provided GPS maintenance and instruction. In addition, he prepared budget and proposal information, acted as a field crew manager and supervisor, assisted biological crews in wetland and endangered species surveys, and provided environmental monitoring inspection. Abraham is a member of the Register of Professional Archaeologists.

In Situ Resumes



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Craig M. Picka, MS, RPA

Role at In Situ

Owner; COO; Principal Investigator

Education

M.S., Applied Anthropology; Missouri State University; 2012

B.A., Anthropology, Emphasis in Archaeology, Minor in Geosciences; Minnesota State University; 2009

Years of Experience

17 years

Expertise

Cultural Resource Management

Lithics

Prehistoric Ceramics

GPS/GIS

Total Station

Soils

Plains Archaeology

Laboratory Methods

Construction Monitoring

Licenses and Memberships

Register of Professional Archaeologists (RPA), 2012-2022

State of Minnesota Annual Archaeological Reconnaissance Survey License

State of North Dakota Annual Permit to Conduct Cultural Resource Investigations

Experience Summary

Craig is a Principal Investigator at In Situ. He has over 17 years of nationwide experience within the field of archaeology and cultural resource management. Mr. Picka meets the requirements for the Secretary of the Interior’s Guidelines for Professional Qualifications in Archaeology. His experience includes supervising and conducting cultural resource surveys, supervising and conducting test excavations, overseeing QA/QC control process to ensure project quality, conducting multiple file searches for various state agencies, and lab analysis. He also has experience conducting geophysical surveys using magnetometry, electrical resistivity, and down-hole magnetic susceptibility. He has archaeological experience in North Dakota, South Dakota, Montana, Texas, Kansas, Minnesota, Nebraska, Iowa, Indiana, Illinois, Ohio, Wisconsin, and Missouri. Craig has been involved with a variety of projects in various markets including: transmission lines, pipelines, telecommunications, wind energy, solar energy, oil and gas, seismic exploration, building development, and wetland mitigation.

At In Situ, Craig is a Principal Investigator and is responsible for developing scopes of work, project management, personnel management, scheduling, managing archaeological investigations, and authoring technical reports. Craig also fosters communication with clients and regulatory agencies and oversees the QA/QC control process to ensure investigations meet or exceed federal, state, and local regulations. Craig provides technical oversight for National Historic Preservation Act (NHPA)-compliance based cultural resource investigations for various projects across the United States.

Prior to his position at In Situ, Craig was previously employed as a Cultural Resources Specialist and Field Director in SWCA’s Bismarck, North Dakota office where he was responsible for report writing and for leading crews on linear and block cultural resource inventories throughout North Dakota. More recently, Craig was employed at Merjent, Inc., located in Minneapolis, Minnesota, where he was a Principal Investigator and was responsible for report writing, project management, and leading crews on various cultural resource inventories. Craig is a member of the Register of Professional Archaeologists, has presented at multiple professional conferences, and has been previously published in a scholarly journal.

RELATED EXPERIENCE

CNE Project References

CNE has the staff available to complete your projects efficiently. With staffing available from multiple offices/firms, we are able to draw talent to assist as needed. CNE has also started an ongoing recruiting process to search for needed staff as we anticipate the potential for many more broadband projects.

In addition, because we are a subsidiary of Moore Holding Company, we have access to additional resources provided by their other subsidiaries, Moore Engineering, Inc. and Holly Beck Surveying and Engineering, Inc., if needed.



Client

Polar Communications

Miles

550 miles of construction

Potential Subscribers

1520

Start Date: June 2020

Complete Date: Ongoing

Area

Grafton: 304 sq mi

Grand Forks County: 617.82

RUS Reconnect Round I Grand Forks and Walsh County, ND

USDA awarded over \$21 Million dollars of their ReConnect Program dollars in a loan/grant to Polar Communications. USDA's assistance will make it possible for Polar Communications to extend its fiber network to almost 1,500 homes, farms and other businesses in Walsh and Grand Forks Counties of ND.

With construction commencing on June 2nd, 2020 in rural Grafton, our project with Polar Communications became the first Reconnect project in the nation to be under construction. To understand the scope of the program, this project was the first out of:

- 82 Active Awards
- \$744,303,168 in Funding
- 34 Total States and Territories

Considering this project consists of 550 miles of construction serving 789 potential subscribers, this was no small feat. The staff of both Polar and CNE were extremely dedicated to make this happen. First notification of award occurred in early November of 2019 with project work starting in December. Between then and the project bid date of February 26th, all of the following items needed to be completed:

- Submittal and award of the Loan/Grant Award
- Environmental Clearances from DC
- Final Project Drive and Design
- Staking
- Mapping
- Plans & Specs approval from DC
- Pre-Bid Conference



RELATED EXPERIENCE



Client

City of Barnesville

Miles

70 miles (including drops)

Potential Subscribers

1050

Start Date: November 2013
(they were an existing client before as well)

Complete Date:
FTTP Construction Completed
May 2015 (Ongoing
Maintenance)

City of Barnesville, MN

For many years, the City of Barnesville was a client of CNE. They were both a traditional copper-based telephone company and provided coaxial based CATV services. CNE provided assistance to the City with our mapping, COE/Switch Engineering services, OSP Engineering, IT services, permitting, project management and network configuration services.

As a municipality with a fairly tight budget, they started building small pockets of subscribers as their existing plant needed replacement. This only lasted a few years until they made the decision to bond the project. Once that decision was made, CNE was the sole firm to provide all engineering, project management, and construction management services starting with the design of the project through final project closeout.

As this project was a municipal requirement, CNE became very familiar with the requirements that were different from our typical clients. We attended regular Council and Committee meetings for project updates and used EJCDC contracts which the municipality was very familiar with.

Fast-forward to present day – CNE is still providing service to the City of Barnesville. We are providing our mapping, COE/Switch Engineering services, OSP Engineering, IT services, permitting, and network configuration services. In addition, our sister engineering firm Moore Engineering, Inc. is the City's Civil Engineer!



RELATED EXPERIENCE



Client

Harmony Telephone Company

Subscribers

577 Subscribers

Start Date: Fall 2020

Complete Date: Ongoing

Area

75.7 sq mi

347 drops

**Reconnect Round 1
Minnesota and Iowa**

The USDA awarded \$5.4 million dollars of their ReConnect Program dollars in a loan/grant to Harmony Telephone Company. The USDA's assistance will make it possible for Harmony to connect 577 households with fiber within its exchange in rural Harmony. It's one of the first five ReConnect projects to be under construction. With an aggressive schedule similar to the Polar Communications project above, the project was bid on June 3, 2020 with construction starting in the fall. In that time, all of the following items needed to be completed:

- Submittal and award of the Loan/Grant Award
- Environmental Clearances from DC
- Final Project Drive and Design
- Staking
- Mapping
- Plans & Specs approval from DC
- Pre-Bid Conference

In addition to ReConnect I, Harmony has been awarded a ReConnect II award and the Empower Rural Iowa Emergency Broadband Expansion Program Grant Award. Both programs are providing funding to expand out of their traditional service area to provide broadband to unserved and under served areas of rural Iowa. The largest is the ReConnect II award. Harmony Telephone Company will use a \$4.8 million ReConnect grant and a \$4.8 million ReConnect loan to deploy a fiber-to-the-premises network, which will connect 1,579 people, 96 farms and 31 businesses to high-speed broadband internet in Howard and Chickasaw counties in Iowa.

RECONNECT PROGRAM AWARD ANNOUNCEMENT

HTC
Harmony Telephone Company

Harmony Telephone Company serves approximately 100 square miles in Minnesota and Iowa and has been awarded

\$5.4 MILLION
50% GRANT | 50% LOAN

Formed in 1945, Harmony Telephone Company is owned by:

AREA IN BLUE INDICATES WHERE THE AWARD WILL BE USED

RECONNECT PROGRAM AWARD ANNOUNCEMENT

HTC
Harmony Telephone Company

Harmony Telephone Company has been awarded

\$9.7 MILLION
50% GRANT | 50% LOAN

Formed in 1945, Harmony Telephone Company is owned by:

AREA IN BLUE INDICATES WHERE THE AWARD WILL BE USED

RELATED EXPERIENCE

Moore Engineering, Inc. Project References



City Engineering Services Barnesville, MN

2018

- Moore Becomes Barnesville City Engineer
- Wastewater Treatment Facility Improvements

2019

- CSAH 52/TH9/Front Street Reconstruction
- Del Acres Gilbertson 3rd Addition

2020

- Commercial Park Stormwater Analysis
- 2020- Hwy 34/13th Street Bituminous Path

2021

- 13th Street Reconstruction

2022

- 2nd Street NE & 4th Avenue NE Sewer Replacement

2013

- 13th Street Reconstruction

Moore Engineering has been the city engineer for Barnesville since 2018. We have helped the city with their treatment facilities, streets, stormwater, and utilities in that short time period.

Water and Wastewater

Moore completed the design and construction administration for the wastewater treatment facility improvements that began in 2018. We also assist the city with any operational and maintenance questions that come up from day to day.

Transportation

We have assisted the City in pursuing funds to finance their street and utility projects. Our team has completed multiple reconstruction and street improvements, along with trails and sidewalks. Each utility project is paired with street improvements to maximize funding.

Municipal

We have provided city engineering services to Barnesville for over 5 years. In that time, we have consistently attended council meetings, provided public outreach, and assisted with day-to-day operations. Our team has designed and assisted in construction administration on sewer and water utility projects to maintain the city's systems.

RELATED EXPERIENCE



SHEYENNE STREET DOWNTOWN IMPROVEMENTS WEST FARGO, ND

CLIENT:

West Fargo / NDDOT

POINT OF CONTACT:

Dustin Scott, City of West Fargo City Engineer
701.433.5425

KEY DATES:

Start Date: March 2021
Completion Date: November 2021

COST:

\$10.5 Million

FUNDING:

NDDOT Urban Grant: \$2,377,446
Capital Sales Tax: \$1,834,000
Water Revenue/Bond: \$716,000
Sewer Revenue/Bond: \$1,500,000
Economic Development: \$1,200,000
Special Assessments: \$1,822,554
Prairie Dog Fund: \$1,000,000

SERVICES:

Survey
Environmental Services
Design
Construction Administration

CHALLENGE

Downtown West Fargo, consisting of Sheyenne Street from Main Avenue to 7th Avenue W, had been neglected for many years and the City Commission of West Fargo made a conscious effort to revive and revitalize the downtown area to become a cultural hub for entertainment and enhance the economic vitality of the area. Additionally, a Core Area Infrastructure Master Plan Study identified the asbestos cement water distribution system under Sheyenne Street to be in critical condition, requiring replacement. The Downtown area had also experienced localized flooding due to an undersized storm sewer system. The corridor was identified as a full urban reconstruction with unique challenges of a mixture of new high-rise commercial buildings and single-family homes.

SOLUTION

Moore Engineering worked with the City of West Fargo to design a pedestrian enticing corridor, full of street furniture, benches, trash receptacles, planter beds, seatwalls, and pedestrian friendly lighting. High demand on-street parking was also added where applicable. The roadway was narrowed to increase side path widths, slow traffic, reduce access locations, and decrease crosswalks widths. The project team designed the new water distribution system, being attentive of the hazardous existing ACP pipe, and maintaining water service to the system users. An upsized storm sewer system was designed to accommodate the existing drainage in a highly impervious area and to combat future flooding threats.

OUTCOME

Moore Engineering assisted the City of West Fargo in applying for and receiving an Urban Grant through Governor Burgum's Main Street Initiative. The project was the first to be awarded such a Grant. Moore helped guide the project from project concept through final design and into construction. This project was completed in the fall of 2021.



In Situ Project References



Services

- ◆ Literature Reviews/Record Searches
- ◆ Geographic Information System (GIS) Services/Predictive Modeling
- ◆ Federal, Tribal, and State Agency Consultation and Coordination
- ◆ Reconnaissance Survey
- ◆ Cultural Resource Inventory/ Survey
- ◆ Artifact Inventory and Analysis
- ◆ Section 106 Review
- ◆ NHPA and NEPA Compliance
- ◆ Permitting and Compliance Guidance
- ◆ Geophysics Interpretation
- ◆ Construction Monitoring

NAICS Codes

- ◆ 541720: Archaeological Research and Development Services
- ◆ 541690: Other Scientific and Technical Consulting Services

DUNS Number

- ◆ 080082885

Markets

- ◆ Oil, Gas, Water Pipelines
- ◆ Windfarms
- ◆ Transmission Lines
- ◆ Urban Developments
- ◆ Well Pads
- ◆ Cellular Towers
- ◆ Transportation
- ◆ Solar Farms

Statement of Qualifications

In Situ Archaeological Consulting, LLC (In Situ) is a cultural resource consulting company that specializes in archaeological surveys and artifact analysis. At In Situ, our mission is to provide our clients with quality archaeological consultation to facilitate success in their undertakings. Our staff has the knowledge and experience needed to help reach the client’s goals. Our specialists will work with you to assess the distinctive conditions of your project and make recommendations to ensure compliance and minimize unnecessary costs and lost time. We strive to provide our clients with quality and comprehensive services.

In Situ was started in 2015 and the partners of In Situ have experience conducting surveys and writing reports that meet or exceed federal and state agency requirements for various states. In Situ staff has nationwide experience and is qualified to lead and conduct archaeological investigations in multiple states, including, but not limited to Iowa, Illinois, Indiana, Kansas, Minnesota, Missouri, Michigan, Montana, Nebraska, North Dakota, Ohio, Oklahoma, South Dakota, Texas, West Virginia and Wisconsin. In addition, we meet the requirements for the Secretary of the Interior’s Guidelines for Professional Qualifications in Archaeology.

Certifications

- ◆ Disadvantaged Business Enterprise (DBE) - Minnesota Unified Certification Program (MNUCP), North Dakota Department of Transportation (NDDOT), Iowa Department of Transportation (Iowa DOT) - Wisconsin Unified Certification Program (DBE)



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RELATED EXPERIENCE

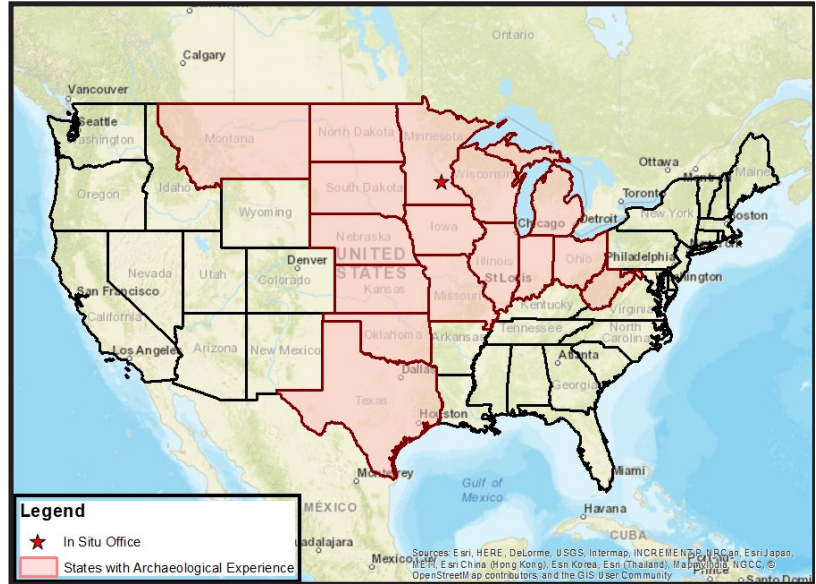


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Our staff has knowledge and experience in cultural resource management within various markets and sectors to help ensure your projects are compliant and successful. In Situ can provide for all your archaeological needs, including, but not limited to:

- Background Literature Reviews
- Field Reconnaissance Surveys
- Cultural Resource Inventories
- GIS and Spatial Analysis
- Laboratory Analysis
- State and Federal Agency Consultation
- Section 106 Compliance

If you're interested in any of our archaeological services, you contact us at (952) 658-8891 or electronically at aledezma@insitucrm.com or cpicka@insitucrm.com.



In Situ Archaeological Consulting, LLC Staff

Abraham Ledezma, M.S., RPA



Education

M.S., Applied Anthropology; Missouri State University; 2012
B.A., Anthropology, Emphasis in Archaeology; Minnesota State University; 2008

Roles at In Situ

CEO; Principal Investigator; GIS Lead

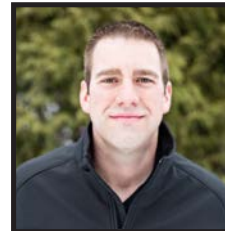
Experience

Abraham has 18 years of experience leading and conducting cultural resource management surveys. His expertise includes GIS analysis, geophysics, prehistoric ceramic analysis, Plains Archaeology, Northeast Archaeology, and Southwest Archaeology.

Email

aledezma@insitucrm.com

Craig Picka, M.S., RPA



Education

M.S., Applied Anthropology; Missouri State University; 2012
B.A., Anthropology, Emphasis in Archaeology, Minnesota State University; 2009

Roles at In Situ

COO; Principal Investigator; Marketing/ Client Relations

Experience

Craig has 18 years of experience leading and conducting cultural resource management surveys. His expertise includes lithic analysis, prehistoric ceramic analysis, Plains archaeology, and laboratory analysis.

Email

cpicka@insitucrm.com

RELATED EXPERIENCE



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In Situ Selected Project Experience

Birch Coulee Solar Development, Renville County, Minnesota (2023): Conducted a Literature Review, Phase I cultural resource survey, oversaw QA/QC control process to ensure project quality, and authored a report for a proposed solar energy project in Franklin Township, Renville County, Minnesota. *Project Developer: AES Clean Energy; Prime Contractor: Barr Engineering Co.*

Class I Background Literature Review for the Dakota Central Telecommunications 233 Mile Fiber Optics Facilities: Foster, Logan, Stutsman, and Wells Counties, North Dakota (2023). Conducted an extensive literature review for 233 miles of fiber optics cable route in various counties in North Dakota. *Project Developer: Dakota Central Telecommunications. Prime Contractor: Communication Network Engineering, Inc.*

Northern Winds Wind Project; Murray County, Minnesota (2020-2021): Conducted a Literature Review, Phase I cultural resource survey, oversaw QA/QC control process to ensure project quality, and authored a report for a proposed wind energy project in Murray County, Minnesota. *Project Developer: ALLETE Clean Energy; Prime Contractor: Barr Engineering Co.*

Maple Flats Solar Project; Clay County, Illinois (2019-2020): Conducted a Literature Review, Phase I cultural resource survey, oversaw QA/QC control process to ensure project quality, and authored a report for a proposed solar energy project in Clay County, Illinois. *Project Developer: Maple Flats Solar Energy Center LLC; Prime Contractor: Wenck Associates, Inc.*

Hickory Point Solar Project; Christian County, Illinois (2019-2020): Conducted a Literature Review, Phase I cultural resource survey, oversaw QA/QC control process to ensure project quality, and authored a report for a proposed solar energy project in Christian County, Illinois. *Project Developer: Hickory Point Solar Energy Center LLC; Prime Contractor: Wenck Associates, Inc.*

Otter Tail Power Hydroelectric Relicensing Project; Otter Tail County, Minnesota (2020): Supervised and conducted a Literature Review, Phase I survey, cultural resource monitoring, oversaw QA/QC control process to ensure project quality, and authored a report for the assessment of the conditions of new and known cultural resources for the license renewal of five hydroelectric facilities along the Otter Tail River in Minnesota. *Project Developer: Otter Tail Power Company.*

Fillmore County Solar Project; Fillmore County, Minnesota (2019): Conducted a Literature Review, Phase I cultural resource survey, oversaw QA/QC control process to ensure project quality, and authored a report for a proposed solar energy project in Fillmore County, Minnesota. *Project Developer: Fillmore County Solar Project, LLC; Prime Contractor: Wenck Associates, Inc.*

Alliance Pipeline Three Rivers Lateral Project; Grundy County, Illinois (2018-2019): Conducted a Literature Review, Phase I cultural resource survey, oversaw QA/QC control process to ensure project quality, and authored a report for a proposed natural gas pipeline in Grundy County, Illinois. *Project Developer: Alliance Pipeline; Prime Contractor: E3 Environmental, LLC.*

Metropolitan Council Additional Phase II Testing and Phase III Archaeological Data Recovery for the Green Line Extension; Minneapolis, Minnesota (2018-2019): Conducted Phase II and III archaeological data recovery, project management and planning, oversaw QA/QC control process to ensure project quality, artifact analysis, and report preparation for the Green Line Extension - Royalston Station in Minneapolis, Minnesota. *Project Developer: Metropolitan Council; Prime Contractor: Merjent, Inc.*



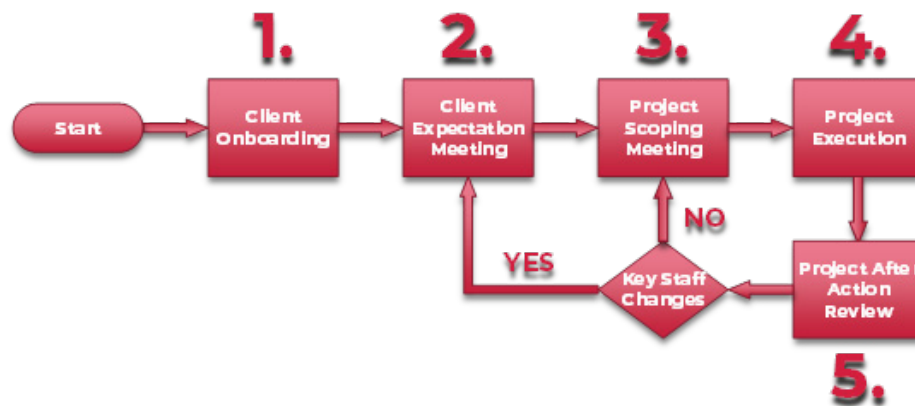
PROJECT APPROACH

Project Management, Approach, Timeline, & Communication

CNE takes an interactive approach with our clients. To build the right solution for the application, we need to understand your goals and desired outcomes. So, we connect early and often, enabled through weekly project conference calls. We take a similarly interactive approach with the contractors and vendors involved in the project. We look at the project as a partnership between the client, engineer, and contractor to produce a successful project.

Throughout the project, we are YOUR advocate. We represent your interests through every step of the project, including a series of meetings we will schedule with key stakeholders to review project deliverables, timelines, and expectations. CNE Director of Operations, Eric Engler, will be your project leader, ensuring successful delivery and completion on your behalf.

Project scoping at the beginning of the project is a critical step in the process to a successful outcome. Our goal for the project scoping meeting is to verify project requirements to complete a conceptual plan and design options that support your project goals. Our insight, experience, and suggestions will ensure your network is designed for your needs.



The CNE Proven Process starts with Client Onboarding. We gather all the key business information needed to complete a successful project, including, but not limited to:

- Identifying key stakeholders
- Identifying key contractual obligations and change order processes
- Identifying any specific, unique requirements to conduct business with the client
- Ensure all appropriate registrations and licenses are in place for CNE to conduct business for that client
- Identifying accounts receivable and accounts payable processes

The next step is the Client Expectation Meeting. In this phase, we gather all the appropriate operational information, including, but not limited to:

- Communication processes
 - Preferred channels
 - Standard meeting cadence
 - Key individuals for separate phases of projects and their contact information

PROJECT APPROACH

- Client's Mission, Vision, and Values
- Top 3-5 items that our client's stakeholders want to see from us
- Shared language: Many times, issues occur just because different terms are used for the same item – for example, Central Office vs. Distribution Area vs. Core Site
- The standard design criteria to be used for all projects

The Project Scoping Meeting gets specific about how the project will flow and the responsibility of each party to create clear expectations for everyone. This includes, but is not limited to:

- Identification of any exceptions to the standard design criteria
- Clear identification of the project location
- Clear identification of all parties' responsibilities. We need to create complete clarity about how each phase of the project will be completed
- Identify all stakeholders (key and supporting) and tie them to the responsibilities identified above

After the Project Scoping Meeting, Project Execution begins. This includes, but is not limited to:

- High-level design
- Low-level design
- Design approval
- Plans and specifications
- Project bidding/negotiation – N/A for this RFP but could be a future service
- Pre-construction conference – N/A for this RFP but could be a future service
- Construction/Installation execution – N/A for this RFP but could be a future service
- Regularly scheduled meetings – N/A for this RFP but could be a future service
- As-builts during construction – N/A for this RFP but could be a future service
- OTDR reviews – N/A for this RFP but could be a future service
- Invoice review/approval – N/A for this RFP but could be a future service
- Project closeout – N/A for this RFP but could be a future service

Once Project Execution is complete, we conduct a Project After Action Review that includes the client, CNE, and potentially third parties critical to this phase, like contractors and other consultants. The goal is to evaluate each step of the process, identify successes and challenges, and take corrective action, when necessary.

The ultimate step in our process is to review any key employee changes during the project. If there were changes, we would have another Client Expectation Meeting to ensure all parties are aligned as new individuals bring new perspectives and requirements.

PROJECT APPROACH

Experience with the City of Superior

CNE nor its subcontractor MEI have experience working with the City of Superior. However, with CNE's expertise in deploying FTTP networks combined with Moore's extensive experience in municipal project management, we feel that we are in an excellent position to work with the City.

Experience with Federal and State Regulations

As detailed later in this response, CNE and its subcontractors have experience with management of a multitude of federally funded grants and loans. Due to that experience, CNE and its subcontractors work with various local, state, and federal agencies year after year for their projects. Different regional and local permits/regulations have numerous nuances to them. However, many are similar in nature. CNE will ensure compliance with federal, state, and local codes, restrictions and processes throughout the project and be inclusive in any recommendations.

Experience with Public Participation and Communication Strategy

For many projects, CNE has been required to give presentations to various audiences in which the details of the project are discussed. These audiences include City Councils, County Boards, Township Boards, Board of Director's, and Public Information meetings to name a few.

In addition to CNE's experience, Moore is very adept in this area as well. They act as City Engineer for over 100 small communities, but also work with larger cities on a project basis. In addition, they have recently added a staff member that works as a public Engagement Consultant. Her specialty is public engagement. This would include assisting with project communications plans, public engagement plan, and conduct public meetings (along with graphics and materials for those meetings). If needed, this engagement could help foster public relations with the property owners in the project area.

Engineering Services Approach

CNE is among the leaders in FTTP engineering and deployment with experience dating back to the mid-1990s. We provide services to telecommunications providers, including rural cooperatives, privately held corporations, municipalities, and county governments, and are among the industry leaders in FTTP engineering/deployment. Key CNE leadership and staff members were involved with the first two original RUS FTTP field trials. Our experience and insight are second to none.

The vast majority of all CNE projects include the low-level design services for FTTP (Fiber-to-the- Premises) that the City is requesting. CNE takes pride in having a collaborative approach with all our clients. It is Standard Operating Procedure (SOP) for CNE to develop close relationships with the key stakeholders to develop network architecture and OSP designs tailored to the unique requirements of the broadband fiber network. This occurs for every one of our projects. Each project includes all the key items that the City has identified. As CNE works across a wide variety of clients, we see many different architectures and networking equipment. This allows us to provide an extremely informed opinion on a final network design and architecture that is customized for each client. Our goal is to complete a conceptual plan and design options that support the client's goals for the project. We will provide our insight, experiences, and suggestions. The client must be comfortable with THEIR network. Most importantly, the client has the FINAL say.

CNE feels that the included resumes and project references themselves demonstrate our experience in similar types of projects. Even though we understand that is preferred to demonstrate this experience in municipal broadband initiatives, CNE does not necessarily provide that stand-alone experience by itself. However, we feel that the combination of vast FTTP experience and civil engineering experience from our sister engineering firm would meet and exceed the experience required for this project. If it is deemed necessary to provide any additional experience/references to move forward with this project, we are more than willing to do so.

For the site plan assistance, CNE intends to use a subconsultant. They are a multi-disciplined engineering firm that specializes in working with municipalities. They function as City Engineer for over 100 small communities, but also work with larger cities on a project basis. These relationships have helped them

PROJECT APPROACH

understand the needs of their city partners. Even though these services are not required as a part of this RFP, their services could prove beneficial for the City. In addition, their engineers are very experienced with designing sites. Our site designs range from small ½ acre commercial sites to 40-acre industrial facilities.

The site design for the equipment buildings will require site layout, grading, and landscape architecture (if requested). The design will adhere to all City Ordinances and Codes. This will include compliance with stormwater quality and stormwater retention requirements. The site grading will meet the requirements of the owner and allow for access to the facilities. If requested, additional screening can be accomplished with landscaping of the building sites.

CNE and its subcontractors work with various local, state, and federal agencies year after year for their projects. There is not a single outside plant project that would not require some permitting and environmental review. This makes us extremely qualified to identify the required permits as identified in this RFP and identify any potential historical preservation issues (which we highly recommend and have included).

CNE's expertise in broadband infrastructure design is second to none. CNE is familiar with both underground and aerial construction practices to ensure that all premise locations will have fiber connection to the core site locations. Even though various methodologies can be deployed to do this, CNE presents the options and our recommendation to the client. Through a Client Expectation Meeting and Project Scoping Meeting, we will be able to develop a comprehensive design rulebook, subject to approval by the City, outlining the technical specifications and guidelines for this initiative.

On every project, we must collaborate closely with third-party partners. This is particularly important to the successful implementation of a project. CNE commits to working with the key City stakeholders to tailor the design to the current GIS schema and provide design and as-builts in the required formats.

At all phases of the project, CNE will track the current and projected project costs (including engineering) to ensure that costs are in line with the budget. If a project phase or specific component cost may appear to have a potential over run, CNE will notify the City at the earliest opportunity to address the issue. Regarding the potential budgets for CNE if awarded this project, we are confident in our ability to accurately project the costs and would not intend to go over our budget.

Project Management Services

CNE, combined with its proposed subcontractor, has extensive project management experience. With CNE's expertise in deploying FTTP networks combined with Moore's extensive experience in municipal project management, the City would receive the best project management services possible. Those items include the required project planning, scheduling, budgeting, procurement management, 3rd party vendor management, subcontractor/subconsultant oversight, quality assurance, risk management, and stakeholder coordination. As part of all projects, we ensure that we adhere to all industry standards, regulatory requirements, and specific Client requirements. We understand that this is what will lead us to successful project completion.

As detailed at the start of this section, CNE has a proven process that we implement for our projects. Effective communication and development of standards is key to that process. CNE, and its proposed subconsultants, all have experience with management of a multitude of federally funded grants and loans. The list includes, but is not limited to:

- Rural Development (RD)
 - RUS Loans and Grants (ReConnect, Community Connect, Broadband Program and Traditional Programs)
 - Water and Environmental Program
 - Community Facilities Program

PROJECT APPROACH

- National Telecommunications and Information Administration (NTIA)
 - Middle Mile Broadband Infrastructure Program
 - Tribal Broadband Connectivity Program
- Department of Treasury
 - Capital Projects Fund
- Housing and Urban Development (HUD)
 - Community Development Block Grant
- Federal Emergency Management Agency (FEMA)
 - Hazard Mitigation Grant Program
 - Flood Mitigation Assistance
- U.S. Department of Transportation (USDOT)
 - Safe Streets and Roads for All
 - Rebuilding American Infrastructure with Sustainability and Equity
- U.S. Bureau of Reclamation (USBR) WaterSMART Programs
 - Small-Scale Water Efficiency Projects
 - Water and Energy Efficiency Grant

Construction Management Services

Even though it is not required for this RFP, we feel that it is important to detail our construction management services. We feel that this would provide the City with information showing how CNE can take a project from start to finish. We understand that the project construction management portion will either be a separate RFP or a potential negotiation with the firm that is awarded the current RFP.

CNE has migrated to primarily using ESRI products for construction drawing management. We also ensure that the contractors have licenses to ESRI if required. CNE field staff all have tablets to update the as-designed project units to the as-built details. This gives the most up to date and accurate information possible. We use ESRI dashboards to stay on top of the overall project progress. For all projects, CNE establishes a weekly meeting to review construction progress and issues. A Microsoft Teams group is created in which documents can be shared and meeting notes recorded either through its automatic transcription or through a Microsoft OneNote notebook. All projects which we provide construction management services include a pre-construction conference, contract management, change documentation preparation, and construction vendor invoice review/recommendation for approval.

At the Project Scoping meeting, CNE will develop a plan with the City for providing incident and damage response and reporting; resident issues and complaints response and resolution coordination; on-site inspection services and quality control based on contract specifications; field changes review, approval, and markup tracking; and other similar activities to provide consistent value to the construction delivery process. These are all components of a successful project which CNE implements in our hundreds to thousands of miles of projects a year. A few key items to consider:

- CNE staff regularly make random quality control visits to the projects to ensure that our residents and inspectors complete all the required tasks.

PROJECT APPROACH

- Field staff all have tablets to update the as-designed project units to the as-built details. This gives the most up to date and accurate information possible.
- We use ESRI dashboards to stay on top of the overall project progress.

Software & Analysis Tools

CNE uses a variety of software for separate phases of the project. We are well versed with the products listed below. However, that does not mean we are limited to those software packages. If a client prefers another software product, we will implement that software. The time taken to learn that software package is not billed to the client.

Engineering

- ESRI product suite including ArcGIS Pro, AGOL, Survey 123, Field Maps, Etc.
- Other CAD/GIS products such as AutoCAD, QGIS, Elation Mapping and Mapwise
- Visio
- O-Calc for PLA
- Vendor specific OTDR trace analysis
- Biarri FOND fiber optic HLD software

Project Management

- Microsoft product suite including Microsoft Planner/Project, SharePoint, and Teams
- Monday.com
- Internal ERP software which is Salesforce based

Construction Management

- ESRI product suite including ArcGIS Pro, AGOL, Survey 123, Field Maps, Etc.
- Microsoft product suite including Microsoft Planner/Project, SharePoint, and Teams

Other Key Items

CNE feels that the summary items on the following page are key to identifying our staff capabilities, timeliness and economics of our services.



CAPABILITIES AND TIMELINESS

Staff

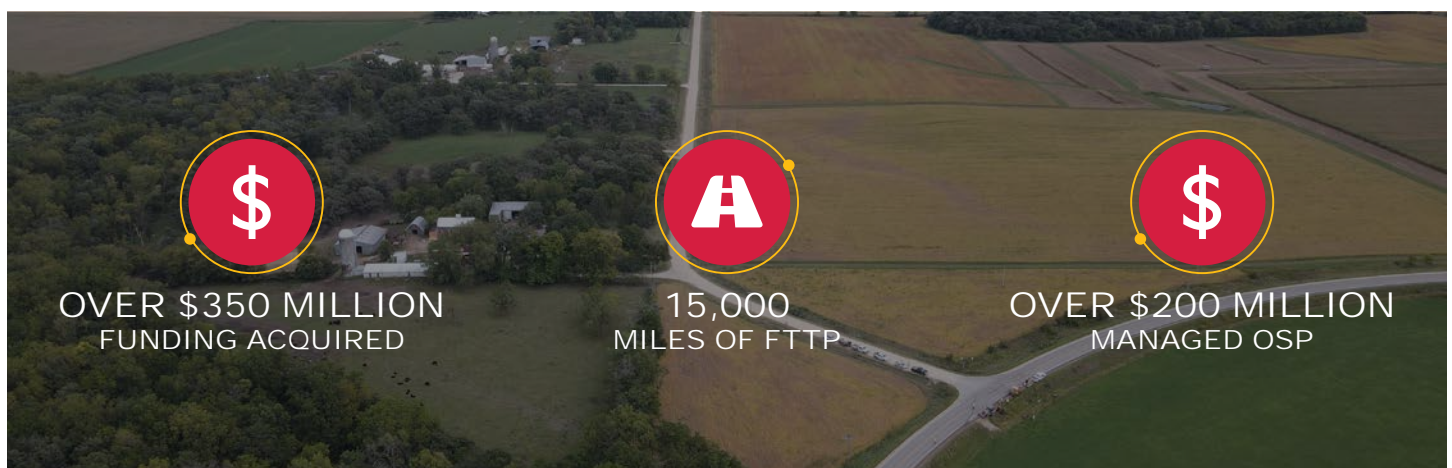
- As employee-owners, CNE team members know that the work they do every day makes a difference. They're not working for someone else because they're contributing to the success of a company they own. That dynamic creates a higher level of accountability and achievement.
- When employing new personnel, we look for experience and familiarity with clients as key criteria. This is demonstrated by our use of semi-retired industry members in OSP construction supervision.
- New employees are brought on in a graduated fashion. They are not a resident engineer on Day 1 and are not on the project by themselves.
- We have a versatile staff. Versatility allows our OSP staff to inspect and do the CAD updates, allowing for a better finished product. In addition, details of contracts and loan applications are not prepared by administrative staff. Once again, this allows for a better finished product.
- If a client chooses a new product line, we send the employee to training.
- We have low employee turnover as demonstrated by our personnel listing.
- We are not afraid to work with other engineering firms if the need arises.
- We handle as much or as little as you need.

Timeliness

- We don't take shortcuts, but our processes and knowledge of our staff allow us to keep the billing down.
- Our staff's general work practices provide a polished, finished product without implementing too many frills.
- With staffing available from multiple offices/firms, we are able to draw talent to assist as needed.

Economics

- Everything listed above.
- We have low overhead that allows for economical rates for our clients.
- Experienced staff – We may have only 1-2 inspectors on a project where others may need to use 2-4.
- We have been told that when our OSP projects are bid, there is no 'aggravation factor' added in by the contractors.
- Low employee turnover.



FEE PROPOSAL

As understood, this RFP is to include the Fixed Fee Proposal (or Not To Exceed after question is answered) including:

- Provide a firm, fixed total price for completion of the services. This price shall include any and all costs to perform the services to the City's satisfaction, including but not limited to all costs for materials, labor, travel, supplies, permits, licenses, other typical reimbursable expenses, and indirect costs.
- Provide a detailed breakdown of the total price for the services for the entire term. Please provide a specific, line-item accounting for the cost of each and every task and/or deliverable outlined in the Scope of Services.
- Provide a schedule of billing rates by category of employee and job title to be used during the term of the agreement. This fee schedule will be firm for at least one (1) year from the date of the agreement. The fee schedule will be used as a basis for determining fees should additional services be necessary. A fee schedule for sub-consultants, if used, shall be included.

The above required details and the required "Engineering Services for Fiber Phase 2 Engineering" form are included in **Attachment A**.

LIST OF SUBCONTRACTORS

CNE has currently identified two Subcontractors that would potentially be utilized for this project. In addition, there may be other Subcontractors that may be required depending on the final project details.

If the need would arise to use other subconsultants other than the two listed here, we would contact the City with the details and provide the documentation identified within this RFP. The City would have final approval of any additional Subcontractors. Our firm's reputation is on the line when we use seasonal employees or subconsultants. For that reason, we are careful when selecting outside assistance.

Moore Engineering, Inc.

Our sister firm, Moore Engineering, Inc. (Moore), may be a potential subconsultant for various portions of the project such as Project Management, identifying permitting requirements, identifying environmental requirements, Reality Capture (Drone/Lidar pole surveys), and supplemental staffing if required due to time frame concerns.

Moore has remained committed to its mission of improving lives by building strong communities since its founding in 1960. Alongside their public and private partners, they've proudly served hundreds of communities. Moore's world-class team of engineers, scientists, and specialists has successfully completed thousands of projects supporting the civil, environmental, transportation, and water infrastructure we all rely on.

They are a multi-disciplined engineering firm that specializes in working with municipalities. They act as City Engineer for over 100 small communities, but also work with larger cities on a project basis. These relationships have helped them understand the needs for their City partners. Even though some their services are not required as a part of this RFP, their services could prove beneficial for the City.

LIST OF SUBCONTRACTORS

In Situ

In Situ is a cultural resource consulting company that specializes in archaeological surveys and artifact analysis. For purposes of this RFP, they will be utilized for a very high level review to identify any potential locations that may be of concern. We understand that this is not a requirement of this RFP, but feel that it would be beneficial to conduct a high level review. If there are any areas of concern, the City could start the required processes well in advance to keep their proposed construction timeline on target. We are also listing them as a subcontractor in the event that the City wants to amend the contract to include any services in the future.

In Situ archaeologists, Abraham Ledezma and Craig Picka, have experience conducting surveys and writing reports that meet or exceed federal and state agency requirements for various states. Abraham Ledezma has over 18 years of experience and he received an M.S. in Applied Anthropology from Missouri State University in 2012 and a B.A. in Anthropology, with an emphasis on Archaeology from Minnesota State University Moorhead in 2008. Craig Picka has over 18 years of experience and he received an M.S. in Applied Anthropology from Missouri State University in 2012 and a B.A. in Anthropology, with an emphasis on Archaeology from Minnesota State University Moorhead in 2009.

In Situ staff has nationwide experience and is qualified to lead and conduct archaeological investigations in multiple states, including, but not limited to, Minnesota, Iowa, South Dakota, North Dakota, Illinois, Indiana, Missouri, Michigan, Ohio, Texas, West Virginia, and Wisconsin. In addition, Abraham Ledezma and Craig Picka each meet the requirements for the Secretary of the Interior's Guidelines for Professional Qualifications in Archaeology (48 FR 44739).

The required "Subcontractors Listing" form detailing the above is included in **Attachment B**.

ADDENDA ACKNOWLEDGMENT

The required Addenda Acknowledgment" form is included in **Attachment C**.

QUALIFICATION EVALUATION CHECKLIST

The required "Qualification Evaluation Checklist" form is included in **Attachment D**.

STATEMENT OF QUALIFICATIONS REFERENCE

The required "Statement of Qualification Reference" form is included in **Attachment E**.

STATEMENT

CNE has made their own examination, investigation and research regarding the method of doing the work, all conditions affecting the work to be done, the labor, equipment and materials, and the quantity of the work to be performed. The Proposer agrees that it has satisfied itself by Proposer's own investigation and research regarding all of such conditions, and that Proposer's conclusion to enter into the Service Agreement and based upon such investigation and research, and that Proposer shall make no claim against the City because of any of the estimates, statements or interpretations made by any officer or agent of the City which may prove to be erroneous in any respect.



Blake Griffin, PE

President

Communications Network Engineering, Inc.





ATTACHMENT A

FEE PROPOSAL

9. Engineering Services for Fiber Phase 2 Engineering

Date: 9-10-24

City of Superior, Wisconsin

I/we, the undersigned, being familiar with your local conditions, having made a field inspection and investigation that I/we deemed necessary, having studied the plans and specifications for the work and being familiar with all the factors and other conditions affecting the work, are hereto attaching the following documents:

- 1) Subcontractors & Suppliers List
- 2) Addenda Acknowledgment
- 3) Qualification & Evaluation Checklist
- 4) References

I/we, the undersigned, hereby propose to furnish all labor, tools, materials, skills, equipment and all else necessary to execute the work, in accordance with the specifications and are hereby submitting the following proposal:

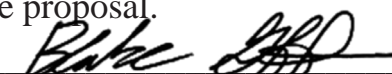
Total Cost (Not-to-Exceed): \$ 777,868.00

Amount in written figures: _____

Seven Hundred Seventy-Seven Thousand, Eight Hundred Sixty-Eight Dollars

Completion Date: Prior to June 30, 2025 (date)

Interested firms may, at their discretion, suggest additional services not explicitly requested by this RFP. Proposals should include line item costs for additional services. Please note that additional services may or may not be awarded by the City and that costs for additional services are excluded from the base proposal.

SIGNATURE  Date 9-6-24

Print Name Blake Griffin, President

Name of Company Communication Network Engineering, Inc.

Address 210 27th St N - Fargo, ND - 58102

Phone 701-306-7084 Fax 701-356-8955

E-mail Address blake@cnefargo.com

FEE PROPOSAL

Phase 2 RFP Proposal – Summary by Task

This Not-To-Exceed proposal (total amount) is based upon 100 mainline miles. A change order may be required for overages.

The employee classifications used below are what is currently proposed, but other classifications listed here or on our entire rate sheet may be used.

No matter what employee classifications are used, work will be invoiced at the utilized T&E rate up to the Not-To-Exceed total amount for the 100 mile project.

A. Final cable placement in aerial and underground environments (Underground deployment is preferred)

	RATE PER HOUR/UNIT	UNITS TO COMPLETE TASK	DOLLAR AMOUNT
Principal Engineer	\$250.00	6	\$1,500.00
VP / Operations Manager	\$200.00	26	\$5,200.00
Engineer II	\$185.00	21	\$3,885.00
OSP Project Manager	\$185.00	58	\$10,730.00
OSP Engineering Tech. III	\$129.00	616	\$79,464.00
OSP Engineering Tech. II	\$115.00	162	\$18,630.00
Senior Drafter (CADD / GIS Technician)	\$125.00	173	\$21,625.00
Administrative / Project Manager Assistant	\$92.00	8	\$736.00
Principal Investigator - In Situ	\$163.00		\$0.00
Project Manager - MEI	\$230.00		\$0.00
Environmental Scientist - MEI	\$220.00	60	\$13,200.00
Travel Expenses / Day (estimated)	\$350.00		\$0.00
	HOURS SUBTOTAL	1,130	
	SUBTOTAL		\$154,970

FEE PROPOSAL

B. Constructability analysis

	RATE PER HOUR/UNIT	UNITS TO COMPLETE TASK	DOLLAR AMOUNT
Principal Engineer	\$250.00	6	\$1,500.00
VP / Operations Manager	\$200.00	9	\$1,800.00
Engineer II	\$185.00	6	\$1,110.00
OSP Project Manager	\$185.00	87	\$16,095.00
OSP Engineering Tech. III	\$129.00	0	\$0.00
OSP Engineering Tech. II	\$115.00	0	\$0.00
Senior Drafter (CADD / GIS Technician)	\$125.00	35	\$4,375.00
Administrative / Project Manager Assistant	\$92.00	0	\$0.00
Principal Investigator - In Situ	\$163.00		\$0.00
Project Manager - MEI	\$230.00		\$0.00
Environmental Scientist - MEI	\$220.00		\$0.00
Travel Expenses / Day (estimated)	\$350.00	10	\$3,500.00
	HOURS SUBTOTAL	143	
	SUBTOTAL		\$28,380

FEE PROPOSAL

C. Mitigation of special engineering and construction issues

	RATE PER HOUR/UNIT	UNITS TO COMPLETE TASK	DOLLAR AMOUNT
Principal Engineer	\$250.00	6	\$1,500.00
VP / Operations Manager	\$200.00	9	\$1,800.00
Engineer II	\$185.00	0	\$0.00
OSP Project Manager	\$185.00	29	\$5,365.00
OSP Engineering Tech. III	\$129.00	49	\$6,321.00
OSP Engineering Tech. II	\$115.00	0	\$0.00
Senior Drafter (CADD / GIS Technician)	\$125.00	35	\$4,375.00
Administrative / Project Manager Assistant	\$92.00	0	\$0.00
Principal Investigator - In Situ	\$163.00		\$0.00
Project Manager - MEI	\$230.00		\$0.00
Environmental Scientist - MEI	\$220.00		\$0.00
Travel Expenses / Day (estimated)	\$350.00	5	\$1,750.00
	HOURS SUBTOTAL	128	
	SUBTOTAL		\$21,111

FEE PROPOSAL

D. Identify permitting and environmental requirements

	RATE PER HOUR/UNIT	UNITS TO COMPLETE TASK	DOLLAR AMOUNT
Principal Engineer	\$250.00	13	\$3,250.00
VP / Operations Manager	\$200.00	49	\$9,800.00
Engineer II	\$185.00	81	\$14,985.00
OSP Project Manager	\$185.00	167	\$30,895.00
OSP Engineering Tech. III	\$129.00	283	\$36,507.00
OSP Engineering Tech. II	\$115.00	0	\$0.00
Senior Drafter (CADD / GIS Technician)	\$125.00	199	\$24,875.00
Administrative / Project Manager Assistant	\$92.00	8	\$736.00
Principal Investigator - In Situ	\$163.00	30	\$4,890.00
Project Manager - MEI	\$230.00	30	\$6,900.00
Environmental Scientist - MEI	\$220.00	30	\$6,600.00
Travel Expenses / Day (estimated)	\$350.00		\$0.00
	HOURS SUBTOTAL	890	
	SUBTOTAL		\$139,438

FEE PROPOSAL

E. Public and private easement analysis

	RATE PER HOUR/UNIT	UNITS TO COMPLETE TASK	DOLLAR AMOUNT
Principal Engineer	\$250.00	6	\$1,500.00
VP / Operations Manager	\$200.00	18	\$3,600.00
Engineer II	\$185.00	13	\$2,405.00
OSP Project Manager	\$185.00	29	\$5,365.00
OSP Engineering Tech. III	\$129.00	49	\$6,321.00
OSP Engineering Tech. II	\$115.00	0	\$0.00
Senior Drafter (CADD / GIS Technician)	\$125.00	48	\$6,000.00
Administrative / Project Manager Assistant	\$92.00	8	\$736.00
Principal Investigator - In Situ	\$163.00	60	\$9,780.00
Project Manager - MEI	\$230.00	40	\$9,200.00
Environmental Scientist - MEI	\$220.00	40	\$8,800.00
Travel Expenses / Day (estimated)	\$350.00		\$0.00
	HOURS SUBTOTAL	311	
	SUBTOTAL		\$53,707

FEE PROPOSAL

F. Final Service area definitions and adjustments

	RATE PER HOUR/UNIT	UNITS TO COMPLETE TASK	DOLLAR AMOUNT
Principal Engineer	\$250.00	6	\$1,500.00
VP / Operations Manager	\$200.00	14	\$2,800.00
Engineer II	\$185.00	20	\$3,700.00
OSP Project Manager	\$185.00	40	\$7,400.00
OSP Engineering Tech. III	\$129.00	68	\$8,772.00
OSP Engineering Tech. II	\$115.00	0	\$0.00
Senior Drafter (CADD / GIS Technician)	\$125.00	48	\$6,000.00
Administrative / Project Manager Assistant	\$92.00	0	\$0.00
Principal Investigator - In Situ	\$163.00		\$0.00
Project Manager - MEI	\$230.00		\$0.00
Environmental Scientist - MEI	\$220.00		\$0.00
Travel Expenses / Day (estimated)	\$350.00	5	\$1,750.00
	HOURS SUBTOTAL	196	
	SUBTOTAL		\$31,922

FEE PROPOSAL

G. Fiber cable sizing and strand allocations

	RATE PER HOUR/UNIT	UNITS TO COMPLETE TASK	DOLLAR AMOUNT
Principal Engineer	\$250.00	6	\$1,500.00
VP / Operations Manager	\$200.00	26	\$5,200.00
Engineer II	\$185.00	36	\$6,660.00
OSP Project Manager	\$185.00	18	\$3,330.00
OSP Engineering Tech. III	\$129.00	30	\$3,870.00
OSP Engineering Tech. II	\$115.00	0	\$0.00
Senior Drafter (CADD / GIS Technician)	\$125.00	0	\$0.00
Administrative / Project Manager Assistant	\$92.00	0	\$0.00
Principal Investigator - In Situ	\$163.00		\$0.00
Project Manager - MEI	\$230.00		\$0.00
Environmental Scientist - MEI	\$220.00		\$0.00
Travel Expenses / Day (estimated)	\$350.00		\$0.00
	HOURS SUBTOTAL	116	
	SUBTOTAL		\$20,560

FEE PROPOSAL

H. Fiber splice plans and cut sheets for backbone, feed, distribution and drops

	RATE PER HOUR/UNIT	UNITS TO COMPLETE TASK	DOLLAR AMOUNT
Principal Engineer	\$250.00	6	\$1,500.00
VP / Operations Manager	\$200.00	36	\$7,200.00
Engineer II	\$185.00	50	\$9,250.00
OSP Project Manager	\$185.00	242	\$44,770.00
OSP Engineering Tech. III	\$129.00	137	\$17,673.00
OSP Engineering Tech. II	\$115.00	0	\$0.00
Senior Drafter (CADD / GIS Technician)	\$125.00	288	\$36,000.00
Administrative / Project Manager Assistant	\$92.00	0	\$0.00
Principal Investigator - In Situ	\$163.00		\$0.00
Project Manager - MEI	\$230.00		\$0.00
Environmental Scientist - MEI	\$220.00		\$0.00
Travel Expenses / Day (estimated)	\$350.00		\$0.00
	HOURS SUBTOTAL	759	
	SUBTOTAL		\$116,393

FEE PROPOSAL

I. Splitter Configurations

	RATE PER HOUR/UNIT	UNITS TO COMPLETE TASK	DOLLAR AMOUNT
Principal Engineer	\$250.00	2	\$500.00
VP / Operations Manager	\$200.00	9	\$1,800.00
Engineer II	\$185.00	12	\$2,220.00
OSP Project Manager	\$185.00	35	\$6,475.00
OSP Engineering Tech. III	\$129.00	0	\$0.00
OSP Engineering Tech. II	\$115.00	0	\$0.00
Senior Drafter (CADD / GIS Technician)	\$125.00	29	\$3,625.00
Administrative / Project Manager Assistant	\$92.00	0	\$0.00
Principal Investigator - In Situ	\$163.00		\$0.00
Project Manager - MEI	\$230.00		\$0.00
Environmental Scientist - MEI	\$220.00		\$0.00
Travel Expenses / Day (estimated)	\$350.00		\$0.00
	HOURS SUBTOTAL	87	
	SUBTOTAL		\$14,620

FEE PROPOSAL

J. Fiber capacity plan and buffer tube allocations

	RATE PER HOUR/UNIT	UNITS TO COMPLETE TASK	DOLLAR AMOUNT
Principal Engineer	\$250.00	6	\$1,500.00
VP / Operations Manager	\$200.00	36	\$7,200.00
Engineer II	\$185.00	30	\$5,550.00
OSP Project Manager	\$185.00	29	\$5,365.00
OSP Engineering Tech. III	\$129.00	0	\$0.00
OSP Engineering Tech. II	\$115.00	0	\$0.00
Senior Drafter (CADD / GIS Technician)	\$125.00	35	\$4,375.00
Administrative / Project Manager Assistant	\$92.00	0	\$0.00
Principal Investigator - In Situ	\$163.00		\$0.00
Project Manager - MEI	\$230.00		\$0.00
Environmental Scientist - MEI	\$220.00		\$0.00
Travel Expenses / Day (estimated)	\$350.00		\$0.00
	HOURS SUBTOTAL	136	
	SUBTOTAL		\$23,990

FEE PROPOSAL

K. OLT placement, configuration, and capacity

	RATE PER HOUR/UNIT	UNITS TO COMPLETE TASK	DOLLAR AMOUNT
Principal Engineer	\$250.00	2	\$500.00
VP / Operations Manager	\$200.00	9	\$1,800.00
Engineer II	\$185.00	6	\$1,110.00
OSP Project Manager	\$185.00	34	\$6,290.00
OSP Engineering Tech. III	\$129.00	22	\$2,838.00
OSP Engineering Tech. II	\$115.00	0	\$0.00
Senior Drafter (CADD / GIS Technician)	\$125.00	0	\$0.00
Administrative / Project Manager Assistant	\$92.00	0	\$0.00
Principal Investigator - In Situ	\$163.00		\$0.00
Project Manager - MEI	\$230.00		\$0.00
Environmental Scientist - MEI	\$220.00		\$0.00
Travel Expenses / Day (estimated)	\$350.00		\$0.00
	HOURS SUBTOTAL	73	
	SUBTOTAL		\$12,538

FEE PROPOSAL

L. Bill of materials and cost estimates

	RATE PER HOUR/UNIT	UNITS TO COMPLETE TASK	DOLLAR AMOUNT
Principal Engineer	\$250.00	2	\$500.00
VP / Operations Manager	\$200.00	9	\$1,800.00
Engineer II	\$185.00	0	\$0.00
OSP Project Manager	\$185.00	10	\$1,850.00
OSP Engineering Tech. III	\$129.00	10	\$1,290.00
OSP Engineering Tech. II	\$115.00	0	\$0.00
Senior Drafter (CADD / GIS Technician)	\$125.00	0	\$0.00
Administrative / Project Manager Assistant	\$92.00	9	\$828.00
Principal Investigator - In Situ	\$163.00		\$0.00
Project Manager - MEI	\$230.00		\$0.00
Environmental Scientist - MEI	\$220.00		\$0.00
Travel Expenses / Day (estimated)	\$350.00		\$0.00
	HOURS SUBTOTAL	40	
	SUBTOTAL		\$6,268

FEE PROPOSAL

M. Construction Phasing

	RATE PER HOUR/UNIT	UNITS TO COMPLETE TASK	DOLLAR AMOUNT
Principal Engineer	\$250.00	12	\$3,000.00
VP / Operations Manager	\$200.00	14	\$2,800.00
Engineer II	\$185.00	12	\$2,220.00
OSP Project Manager	\$185.00	0	\$0.00
OSP Engineering Tech. III	\$129.00	27	\$3,483.00
OSP Engineering Tech. II	\$115.00	0	\$0.00
Senior Drafter (CADD / GIS Technician)	\$125.00	0	\$0.00
Administrative / Project Manager Assistant	\$92.00	0	\$0.00
Principal Investigator - In Situ	\$163.00		\$0.00
Project Manager - MEI	\$230.00		\$0.00
Environmental Scientist - MEI	\$220.00		\$0.00
Travel Expenses / Day (estimated)	\$350.00		\$0.00
	HOURS SUBTOTAL	65	
	SUBTOTAL		\$11,503

FEE PROPOSAL

N. Construction drawings and packages

	RATE PER HOUR/UNIT	UNITS TO COMPLETE TASK	DOLLAR AMOUNT
Principal Engineer	\$250.00	4	\$1,000.00
VP / Operations Manager	\$200.00	26	\$5,200.00
Engineer II	\$185.00	0	\$0.00
OSP Project Manager	\$185.00	29	\$5,365.00
OSP Engineering Tech. III	\$129.00	74	\$9,546.00
OSP Engineering Tech. II	\$115.00	0	\$0.00
Senior Drafter (CADD / GIS Technician)	\$125.00	104	\$13,000.00
Administrative / Project Manager Assistant	\$92.00	0	\$0.00
Principal Investigator - In Situ	\$163.00		\$0.00
Project Manager - MEI	\$230.00		\$0.00
Environmental Scientist - MEI	\$220.00		\$0.00
Travel Expenses / Day (estimated)	\$350.00		\$0.00
	HOURS SUBTOTAL	237	
	SUBTOTAL		\$34,111

FEE PROPOSAL

O. Construction Bid Documents

	RATE PER HOUR/UNIT	UNITS TO COMPLETE TASK	DOLLAR AMOUNT
Principal Engineer	\$250.00	6	\$1,500.00
VP / Operations Manager	\$200.00	13	\$2,600.00
Engineer II	\$185.00	36	\$6,660.00
OSP Project Manager	\$185.00	15	\$2,775.00
OSP Engineering Tech. III	\$129.00	49	\$6,321.00
OSP Engineering Tech. II	\$115.00	0	\$0.00
Senior Drafter (CADD / GIS Technician)	\$125.00	17	\$2,125.00
Administrative / Project Manager Assistant	\$92.00	0	\$0.00
Principal Investigator - In Situ	\$163.00		\$0.00
Project Manager - MEI	\$230.00		\$0.00
Environmental Scientist - MEI	\$220.00		\$0.00
Travel Expenses / Day (estimated)	\$350.00		\$0.00
	HOURS SUBTOTAL	136	
	SUBTOTAL		\$21,981

FEE PROPOSAL

P. Design specifications and standards

	RATE PER HOUR/UNIT	UNITS TO COMPLETE TASK	DOLLAR AMOUNT
Principal Engineer	\$250.00	0	\$0.00
VP / Operations Manager	\$200.00	26	\$5,200.00
Engineer II	\$185.00	36	\$6,660.00
OSP Project Manager	\$185.00	44	\$8,140.00
OSP Engineering Tech. III	\$129.00	0	\$0.00
OSP Engineering Tech. II	\$115.00	0	\$0.00
Senior Drafter (CADD / GIS Technician)	\$125.00	52	\$6,500.00
Administrative / Project Manager Assistant	\$92.00	0	\$0.00
Principal Investigator - In Situ	\$163.00		\$0.00
Project Manager - MEI	\$230.00		\$0.00
Environmental Scientist - MEI	\$220.00		\$0.00
Travel Expenses / Day (estimated)	\$350.00		\$0.00
	HOURS SUBTOTAL	158	
	SUBTOTAL		\$26,500

FEE PROPOSAL

Q. Construction phasing plan

	RATE PER HOUR/UNIT	UNITS TO COMPLETE TASK	DOLLAR AMOUNT
Principal Engineer	\$250.00	0	\$0.00
VP / Operations Manager	\$200.00	9	\$1,800.00
Engineer II	\$185.00	12	\$2,220.00
OSP Project Manager	\$185.00	16	\$2,960.00
OSP Engineering Tech. III	\$129.00	27	\$3,483.00
OSP Engineering Tech. II	\$115.00	0	\$0.00
Senior Drafter (CADD / GIS Technician)	\$125.00	0	\$0.00
Administrative / Project Manager Assistant	\$92.00	0	\$0.00
Principal Investigator - In Situ	\$163.00		\$0.00
Project Manager - MEI	\$230.00		\$0.00
Environmental Scientist - MEI	\$220.00		\$0.00
Travel Expenses / Day (estimated)	\$350.00		\$0.00
	HOURS SUBTOTAL	64	
	SUBTOTAL		\$10,463

FEE PROPOSAL

R. Engineering estimates for each phase of construction

	RATE PER HOUR/UNIT	UNITS TO COMPLETE TASK	DOLLAR AMOUNT
Principal Engineer	\$250.00	0	\$0.00
VP / Operations Manager	\$200.00	9	\$1,800.00
Engineer II	\$185.00	12	\$2,220.00
OSP Project Manager	\$185.00	16	\$2,960.00
OSP Engineering Tech. III	\$129.00	27	\$3,483.00
OSP Engineering Tech. II	\$115.00	0	\$0.00
Senior Drafter (CADD / GIS Technician)	\$125.00	6	\$750.00
Administrative / Project Manager Assistant	\$92.00	0	\$0.00
Principal Investigator - In Situ	\$163.00		\$0.00
Project Manager - MEI	\$230.00		\$0.00
Environmental Scientist - MEI	\$220.00		\$0.00
Travel Expenses / Day (estimated)	\$350.00		\$0.00
	HOURS SUBTOTAL	70	
	SUBTOTAL		\$11,213

FEE PROPOSAL

S. Meetings (Assume 5 Per RFP language)

	RATE PER HOUR/UNIT	UNITS TO COMPLETE TASK	DOLLAR AMOUNT
Principal Engineer	\$250.00	65	\$16,250.00
VP / Operations Manager	\$200.00		\$0.00
Engineer II	\$185.00		\$0.00
OSP Project Manager	\$185.00		\$0.00
OSP Engineering Tech. III	\$129.00		\$0.00
OSP Engineering Tech. II	\$115.00		\$0.00
Senior Drafter (CADD / GIS Technician)	\$125.00		\$0.00
Administrative / Project Manager Assistant	\$92.00		\$0.00
Principal Investigator - In Situ	\$163.00		\$0.00
Project Manager - MEI	\$230.00	65	\$14,950.00
Environmental Scientist - MEI	\$220.00		\$0.00
Travel Expenses / Day (estimated)	\$350.00	20	\$7,000.00
	HOURS SUBTOTAL	130	
	SUBTOTAL		\$38,200

FEE PROPOSAL

T. Total Connect Superior Fiber Engineering Phase 2

	RATE PER HOUR/UNIT	UNITS TO COMPLETE TASK	DOLLAR AMOUNT
Principal Engineer	\$250.00	154	\$38,500.00
VP / Operations Manager	\$200.00	347	\$69,400.00
Engineer II	\$185.00	383	\$70,855.00
OSP Project Manager	\$185.00	898	\$166,130.00
OSP Engineering Tech. III	\$129.00	1,468	\$189,372.00
OSP Engineering Tech. II	\$115.00	162	\$18,630.00
Senior Drafter (CADD / GIS Technician)	\$125.00	1,069	\$133,625.00
Administrative / Project Manager Assistant	\$92.00	33	\$3,036.00
Principal Investigator - In Situ	\$163.00	90	\$14,670.00
Project Manager - MEI	\$230.00	135	\$31,050.00
Environmental Scientist - MEI	\$220.00	130	\$28,600.00
Travel Expenses / Day (estimated)	\$350.00	40	\$14,000.00
	HOURS SUBTOTAL	4,869	
	SUBTOTAL		\$777,868

FEE PROPOSAL

CNE Rates

Communication Network Engineering, Inc. Billing Schedule Effective September 1, 2024

DESCRIPTION	RATE
Principal Engineer	\$250
Professional Engineer / Sr. Professional Engineer	\$225
VP / Operations Manager	\$200
Engineer II	\$185
COE Project Manager	\$185
COE Engineering Tech II	\$153
Engineer I / Graduate Engineer	\$153
OSP Project Manager	\$185
COE Engineering Tech I	\$129
OSP Engineering Tech III	\$129
Senior Drafter (CADD / GIS Technician)	\$125
OSP Engineering Tech II	\$115
OSP Engineering Tech I	\$110
Drafter	\$110
Administrative / Project Manager Assistant	\$92
Hotel	At Cost
Per Diem	\$60/day
Printing, Postage & Telephone	At Cost
Test Equipment	At Cost
IRS Mileage	IRS Rate + \$0.03/Mile
Other Travel	At Cost

FEE PROPOSAL

Moore Engineering, Inc. Rates

Moore Engineering, Inc. Billing Schedule Effective September 1, 2024	
DESCRIPTION	RATE
Principal - SR Project Manager	\$235
Project Manager - SR PE - SR Technical Advisor	\$225 - \$230
Engineering Technician I, II, III	\$130 - \$155
Environmental Scientist I, II, III, SR	\$90 - \$220
CADD Technician I, II, III	\$150 - \$160
GIS Specialist I, II, III	\$155 - \$175
Survey Services	\$160 - \$225
Funding Specialists	\$165 - \$175
Construction Engineer/Specialist, I, II, SR	\$175 - \$195
Administrative Assistant I, II	\$105 - \$115

In Situ Rates

In Situ Archaeological Consulting, LLC Rates Effective September 1, 2024 - September 1, 2025	
DESCRIPTION	RATE
Principal Investigator	\$163
Project Director/Field Lead	\$133
Staff Archaeologist/Crew Chief	\$115
Archaeological Technician	\$91
Laboratory Technician	\$91
Staff GIS Analyst	\$127
GPS	\$55/Day
Lodging (per person)	(Varies on Hotel Rate) + 10% process fee
Per Diem	\$68/Day
Mileage	\$0.670 per Mile*
Artifact & Records Curation (per cu ft. box) - In State Museum	\$475 for MN Historical Society (Varies by State/Facility)

**Mileage rate is based on IRS 2024 Standard Mileage Rates for Business (may change in 2025)*

A man with grey hair, wearing a grey t-shirt, blue jeans, and a bright yellow safety vest, stands next to the front of a white Ford pickup truck. He is looking down at something in his hands. The truck has a North Dakota license plate that reads "853 EBG". The truck is parked on a dirt surface with tall green grass in the foreground. A large red semi-transparent circle is overlaid on the right side of the image, containing the title text in white. The background shows a cloudy sky.

ATTACHMENT B

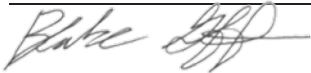
SUBCONTRACTORS LISTING

10. Subcontractors Listing (Must be submitted with proposal.)

Engineering Services for Fiber Phase 2

The undersigned agrees to employ the following listed **subcontractors** for the following enumerated classes of work and not to alter or add to such list without the written consent of the City of Superior, WI. Use separate sheet as necessary.

	<u>SUBCONTRACTOR</u>	<u>CLASS OF WORK</u>
1)	In Situ Archaeological Consulting	Potential High Level Cultural and Historic Review
2)	Moore Engineering, Inc.	Project management assistance
3)		public engagement assistance
4)		environmental and permit review
5)		staff augmentation

Submitted by: COMPANY Communication Network Engineering, Inc.
ADDRESS 210 27th St N - Fargo, ND - 58102
COMPANY REPRESENTATIVE Blake Griffin, President


A photograph of a person wearing blue jeans standing in a field. The ground is covered with large, tangled coils of black cables. The background shows tall grass and a blurred figure of another person. A large red rounded rectangle is overlaid on the right side of the image, containing white text.

ATTACHMENT C

ADDENDA ACKNOWLEDGMENT

11. Addenda Acknowledgement (Must be submitted with Proposal)

Engineering Services for Fiber Phase 2

I/we hereby acknowledge receipt of the following addenda(s):

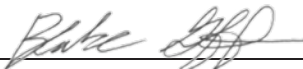
Addendum No. 1 Dated 8-26-24
Addendum No. 2 Dated 9-3-24
Addendum No. _____ Dated _____
Addendum No. _____ Dated _____

I/we further certify that no agreement has been entered into to prevent competition for said work and that I/we carefully examined the site where the work is to take place, and the plans, specifications, form of contract and all other contract documents.

I/we further agree to enter into the contract, as provided in the contract documents, under all the terms, conditions and requirements of those documents.

* If no addenda were issued, the consultant/firm shall so indicate and sign this document.

Communication Network Engineering, Inc.
Company


Representative Signature


A close-up, low-angle shot of a yellow agricultural machine, possibly a combine harvester, in a field. The machine's complex mechanical parts, including hydraulic hoses and metal components, are visible. The background shows a vast, golden-brown field under a clear sky, suggesting a harvest season. A large red semi-transparent oval is overlaid on the right side of the image, containing the title text.

ATTACHMENT D

QUALIFICATION EVALUATION CHECKLIST

QUALIFICATION EVALUATION CHECKLIST

12. Qualification Evaluation Checklist

Owner: Communication Network Engineering, Inc. (ESOP under Moore Holding Company)
 Contact Person: Blake Griffin 
 Address: 210 27th St N
 City: Fargo State: ND
 Zip: 58102
 Telephone: 701-306-7084

Instructions:

1. When filling out the checklist check "YES" only to those services provided "in-house" by your firm (or prior experience of key personnel anticipated to perform a substantial amount of the project work) and check "SUB" for services you intend to subcontract out. List the subcontracting firm in the "Comments/Explanation" area.
2. Respondents are encouraged to add comments and to attach more detailed information where appropriate in response to checklist items. Such clarification can greatly assist the evaluation process. **Firms may include other information as they deem appropriate.**
3. Attach to this checklist any appropriate licenses, certification, degrees, or appropriate training that will assist in qualifying your firm for these services.
4. Consultant qualifications will be determined using this checklist along with the information provided as outlined in the "Requirements for Statement of Qualifications".
5. Firms are expected to answer "YES" to some of the checklist items, but not all of them.
6. False, inaccurate or misleading information shall be grounds for disqualification at any time during and after the selection process. When in doubt attach a detailed answer or call for clarification.

Yes	Sub	No	#	Question
			1.	How many years has your firm been engaged in the consulting business under the present firm name? <u>Twelve (12) years</u>
<input type="checkbox"/>		<input checked="" type="checkbox"/>	2.	Has your firm ever failed to complete any work awarded to you? Comment/Explanation:

ATTACHMENT E

STATEMENT OF QUALIFICATIONS REFERENCE



13. Statement of Qualifications Reference Form - CNE

Applicant Firm Name: Communication Network Engineering, Inc.
Contact Person: Blake Griffin
Address: 210 27th St N
City, State, and Zip Code: Fargo, ND 58102
Telephone: 701-306-7084

Reference #1

Owner or Company Name: Polar Communications
Contact Person: Tim Olson, COO
Type of Service(s) Provided: Funding Assistance & FTTP Engineering
Calendar Year(s) of Service(s) Provided: 2012-Present under current name
City, State, and Zip Code: Park River, ND 58270
Telephone: 701-284-7221

Reference #2

Owner or Company Name: City of Barnesville
Contact Person: Guy Swenson, TEC Coordinator
Type of Service(s) Provided: IT & FTTP Engineering
Calendar Year(s) of Service(s) Provided: 2012-Present under current name
City, State, and Zip Code: Barnesville, MN 56514
Telephone: 218-354-2723

Reference #3

Owner or Company Name: CTC
Contact Person: Steve Gilbert, Director of OSP
Type of Service(s) Provided: FTTP Engineering
Calendar Year(s) of Service(s) Provided: 2022-Present under current name
City, State, and Zip Code: Brainerd, MN 56401
Telephone: 218-555-1212

13. Statement of Qualifications Reference Form

Applicant Firm Name: Moore Engineering, Inc. (sub for applicant CNE)

Contact Person: Blake Griffin - blake@cnefargo.com

Address: 925 10th Avenue E

City, State, and Zip Code: West Fargo, ND 58078

Telephone: (701) 306-7084

Reference #1

Owner or Company Name: City of Barnesville

Contact Person: Jeremy Cossette - cityadministrator@barnesvillemn.com

Type of Service(s) Provided: Planning, design, bidding & negotiating, construction administration, RPR, surveying (legal, topographic, construction staking), funding assistance.

Calendar Year(s) of Service(s) Provided: 2018-Current

City, State, and Zip Code: Barnesville, MN 56514

Telephone: (218) 354-2292

Reference #2

Owner or Company Name: City of Dilworth

Contact Person: Peyton Mastera - peyton.mastera@ci.dilworth.mn.us

Type of Service(s) Provided: Planning, design, bidding & negotiating, construction administration, RPR, surveying (legal, topographic, construction staking), funding assistance.

Calendar Year(s) of Service(s) Provided: 2011-Current

City, State, and Zip Code: Dilworth, MN 56529

Telephone: (218) 287-2313

Reference #3

Owner or Company Name: City of Hawley

Contact Person: Lonnie Neuner - lneuner@ci.hawley.mn.us

Type of Service(s) Provided: Planning, design, bidding & negotiating, construction administration, RPR, surveying (legal, topographic, construction staking), funding assistance.

Calendar Year(s) of Service(s) Provided: 2004-Current

City, State, and Zip Code: Hawley, MN 56549

Telephone: (218) 483-3331

13. Statement of Qualifications Reference Form - In Situ

Applicant Firm Name: In Situ Archaeological Consulting, LLC (sub for applicant CNE)

Contact Person: Abraham Ledezma

Address: 7630 Executive Drive

City, State, and Zip Code: Eden Prairie, MN 55344

Telephone: 952-658-8891

Reference #1

Owner or Company Name: Braun Intertec

Contact Person: Travis Fristed

Type of Service(s) Provided: Archaeological

Calendar Year(s) of Service(s) Provided: 2021-Present

City, State, and Zip Code: Minneapolis, MN 55438

Telephone: 952-995-2027

Reference #2

Owner or Company Name: Kimley-Horn

Contact Person: Keller Leet-Otley

Type of Service(s) Provided: Archaeological

Calendar Year(s) of Service(s) Provided: 2020-Present

City, State, and Zip Code: Deerfield, IL 60015

Telephone: 507-216-0288

Reference #3

Owner or Company Name: Minnesota Power/ALLETE

Contact Person: Greg Prom

Type of Service(s) Provided: Archaeological

Calendar Year(s) of Service(s) Provided: 2019-Present

City, State, and Zip Code: Duluth, MN 55802

Telephone: 218-355-3191



COMMUNICATION NETWORK ENGINEERING, INC

210 27TH STREET N
FARGO, ND 58102



cnefargo.com